

**HARDWARE AND ACCESS CONTROL UPGRADES
WOODLAND SCHOOL DISTRICT**

PROJECT MANUAL
Bid Set
21 july 2015

**HARDWARE AND ACCESS CONTROL UPGRADES
WOODLAND PRIMARY, INTERMEDIATE AND MIDDLE SCHOOLS
WOODLAND, WASHINGTON 98674**

Contract Documents Dated 07.21.15
Approved for Bidding

Michael Green
Superintendent

Date

PROCUREMENT AND CONTRACTING REQUIREMENTS

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-- Change Order Form

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PART 1 – GENERAL

1.01 INVITATION TO BID

- A. Sealed proposals will be received for the following project:
1. Title: Woodland Hardware and Access Control Upgrades
 - a. Locations:
 - 1) Middle School: 755 Park Street, Woodland, Washington 98674
 - 2) Intermediate School: 2250 Lewis River Road, Woodland, Washington 98674.
 - 3) Primary School: 600 Bozarth Avenue, Woodland, Washington 98674.
 2. Owner: Woodland School District
 - a. Location: 800 Third Street, Woodland, Washington 98674
 3. Time/Day/Date: Bid Proposals Must Be Received Prior to 3:00 PM, Friday, August 7, 2015.
 4. Deliver bids to:
Woodland School District
Attn: Michael Green, Superintendent
800 Second Street
Woodland, Washington 98674

1.02 PRE-BID CONFERENCE

- A. A non-mandatory Pre-Bid Conference will be held on Thursday, July 30 at 1:00 PM.
1. Meeting will be held at Woodland District Meeting Room Portable
800 Third Street
Woodland, Washington 98674
 2. Failure to attend and sign in to meeting shall not constitute grounds for rejection of the bid.
 3. Because of existing conditions, attendance is strongly recommended.

1.03 AVAILABILITY OF PLANS

- A. Prospective bidders may order files or prints from J2 Blue Print.
1. Contact J2 Blue Print Supply Company:
 - a. 360.696.1861.
 - b. 503.241.2361.
 - c. 800.464.0069.
 - d. www.j2b.com
 2. A refundable charge of \$50.00 is required for receiving a set of the printed Project Manual up to two sets. Additional sets and partial sets shall be charged at cost.
 - a. Make checks payable to Woodland School District.
 3. Costs for delivery or shipping are additional and non-refundable and are to be paid directly to J2 Blue Print.
- B. Bidders are strongly recommended to register to be on J2 Blue Print's official Plan Holder's list. By being on this list, interested parties will be sent all information pertaining to this project.
- C. Addenda: All addenda will be posted at the web address noted above.
1. Bidders shall be responsible for checking for addenda throughout the bid period.
 2. Bidders registered on J2 Blue Print's official Plan Holder's list will be sent all addenda as they are issued.
 3. Bidders are encouraged to contact the Architect within the last 24 hours prior to the close of the bid period to verify receipt by the Contractor of all addenda.

1.04 PLAN CENTERS AND BIDDING

- A. General Contractors may choose to place Drawings and Project Manuals in general Plan Centers.
 - 1. Drawings and Project Manual will not be available at Woodland School District for review during Bidding.
 - 2. Drawings and Project Manual will not be available at the offices of Eric Lanciault, Architect for review during Bidding at the following address.

1.05 PROJECT DESCRIPTION

- A. The subject project is described in the Contract Documents (Project Manual) and generally includes re-keying and replacement of lock cylinders and installation of new access controls in portions of the existing Woodland Primary, Intermediate and Middle Schools.

1.06 BID RANGE

- A. Owner's estimated construction cost range, excluding WSST: \$120,000 to \$130,000.

1.07 INSTRUCTIONS TO BIDDERS

- A. Instructions to Bidders are outlined in Section 00 21 13 of the Project Manual.
- B. Please direct all questions regarding this project to the office of the Architect:
Eric Lanciault, Architect
eric@elaooa.com

1.08 PREVAILING WAGES

- A. The work is subject to all State of Washington Prevailing Wages requirements.
- B. Prevailing Wage information may be found in Section 00 73 46 of the Project Manual and at the following web page:
<http://www.lni.wa.gov/TradesLicensing/PrevWage>

1.09 ACCEPTANCE OF BIDS

- A. Woodland School District may reject any proposal not in compliance with all prescribed bidding procedures and requirements, and may waive any and all informalities and irregularities upon a finding by Woodland School District that it is in their interest to do so.

1.10 BID EVALUATION

- A. Sealed bids will be opened by the Woodland School District at 3:05 PM on Friday, August 7, 2015 in the Woodland School District School Board Room located at 800 Third Street, Woodland, WA 98674.

PART 2 – PRODUCTS

Not Used

PART 3 – EXECUTION

Not Used

END OF SECTION

1.01 BIDDERS' REGISTRATION

All Bidders must be registered by the Washington State Department of Labor and Industries in accordance with RCW 18.27.020.

1.02 EXPLANATION TO PROSPECTIVE BIDDERS

Any prospective Bidder desiring any explanation or interpretation of the Bidding and Contract Documents must request such explanation and/or clarification in writing soon enough to allow a reply to reach all prospective Bidders before the submission of their Bids if that information is necessary in submitting Bids or if the lack of it would be prejudicial to other prospective Bidders. Any information given a prospective Bidder concerning these documents will be furnished promptly to all other prospective Bidders as an Addendum to the Solicitation. Oral explanations or instructions given before the award of a contract will not be binding.

1.03 PREPARATION OF BIDS—CONSTRUCTION

A. Bids must be:

1. Submitted on the forms furnished by Owner or on copies of those forms; and
2. Manually signed in ink over the printed or typed name and title of the signator.

The person signing a Bid must initial each erasure or change appearing on any Bid Form.

B. The solicitation requires bidding on all items, failure to do so may disqualify the Bid.

C. Except as otherwise provided herein, proposals which are incomplete, or which are conditioned in any way, or which contain erasure, alterations or items not called for in the Form of Bid, or which are not in conformity with the law, may be rejected as informal or non responsive.

D. The Bid Form invites Bids on definite Drawings and Specifications. Only the amounts and information asked for on the Form of Bid will be considered as the Bid. Each Bidder shall bid upon the work exactly as specified and as provided in the Form of Bid.

1.04 LAWS AND REGULATIONS

A. The Bidder is assumed to be familiar with all federal, state, county, and local laws and regulations which in any manner affect those engaged or employed in the Work, or the materials or equipment used in the proposed construction, or which in any way affect the conduct of the Work, and no pleas of misunderstanding will be considered on account of ignorance thereof. If the Bidder shall discover any provision in the Drawings, Specifications and/or Contract which is contrary to or inconsistent with any law or regulation, the Bidder shall forthwith report it to the Architect.

1.05 ADDITIVE OR DEDUCTIVE BID ITEMS

The low Bidder for purpose of award shall be the conforming responsible Bidder offering the low aggregate amount for the first or base bid item, plus or minus those additive or deductive bid items providing the most features of the work within the funds determined by the Owner to be available. After determination of the low Bidder as stated, award in the best interests of the Owner may be made to the Bidder on its base bid and any combination of its additive or deductive bid items for which funds are determined to be available at the time of the award, provided that award on such combination of bid items does not exceed the amount offered by any other conforming responsible Bidder for the same combination of bid items.

1.06 ACKNOWLEDGMENT OF ADDENDA AND COMPLETENESS OF DOCUMENTS:

- A. Bidders shall acknowledge receipt of any Addenda by identifying the Addendum Number in the space provided for this purpose on the bid form.
- B. The Bidder shall verify that all documents supplied by the Owner, and upon which the Bidder is basing the Bidder's Bid, are full and complete with no missing pages, sheets or unintentional blank spaces. Submittal of a Bid indicates the Bidder has verified that the Bidder has obtained all Owner-supplied Contract Documents. No claim for additional work due to missing bid information will be allowed.

1.07 SITE INVESTIGATION AND CONDITIONS AFFECTING THE WORK

- A. The Contractor acknowledges that the Contractor has taken all steps necessary to ascertain the nature and location of the Work and that the Contractor has investigated and is satisfied as to the general and local conditions which can affect the work or its cost, including but not limited to:
 - 1. Conditions bearing upon transportation, disposal, handling and storage of materials;
 - 2. The availability of labor, water, electric power and roads;
 - 3. Uncertainties of weather, river stages, tides or similar physical conditions at the site;
 - 4. The conformation and conditions of the ground; and
 - 5. The character of equipment and facilities needed preliminary to and during work performance.

The Contractor also acknowledges that it has satisfied itself as to the character, quality and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is reasonably ascertainable from an inspection of the site, including all exploratory work done by the Owner, as well as from the Drawings and Specifications made a part of this Contract.

Any failure of the Contractor to take the actions described and acknowledge in this paragraph will not relieve the Contractor from responsibility for estimating properly the difficulty and cost of successfully performing the Work, or for proceeding to successfully perform the Work without additional expense to the Owner.

- B. The Owner assumes no responsibility for any conclusions or interpretations made by the Contractor based on the information made available by the Owner. Nor does the Owner assume responsibility for any understanding reached or representation made concerning conditions which can affect the work by any of its officers or agents before the execution of this Contract, unless that understanding or representation is expressly stated in this Contract.

1.08 BID AMOUNTS

The bid prices shown for each item on the bid proposal shall include all labor, material, equipment, overhead and compensation to complete all of the work for that item.

1.09 TAXES

The Contract Sum and any agreed variations thereof shall include all taxes imposed by law, but no State Sales Tax. Sales Tax will be collected from the Owner and will be paid to the State by the Contractor in conformance with the law. Contractor shall furnish proof of payment of State Sales Tax required by law.

1.10 CONTRACT AWARD

- A. The Owner will evaluate all Bids submitted to determine the lowest and best Bid. The Bidder must

- be qualified by experience, financing and equipment to do the work called for in the Plans and Specifications.
- B. Owner may reject any or all Bids and waive informalities or minor irregularities in Bids received.
 - C. Owner may accept any item or combination of items unless doing so is precluded by a restrictive limitation in the Bid.
 - D. Owner shall not enter into a Contract for Public Work with any person or entity who, within two (2) years prior to this Bid Opening shall have abandoned, surrendered or failed to complete any such Public Works Contract.
 - E. A bid will be considered responsive if it meets the following requirements:
 - 1. It is received at the proper time and place; and
 - 2. It is submitted by a licensed/registered contractor within the State of Washington at the time of Bid Opening and is not banned from bidding by the Department of Labor and Industries.

1.11 SUBMISSION OF BIDS

- A. Bids and Bid Modifications shall be submitted in sealed envelopes or packages addressed to:

The outside of the sealed envelope/package shall be clearly marked to indicate the time specified for receipt thereof, the title of the project, and the name and address of the Bidder.
- B. Telegraphic and/or Faxed bids will not be considered.

1.12 WITHDRAWALS OF BIDS

- A. At any time prior to the scheduled closing time for receipt of Bids, any Bidder may withdraw its Bid, either personally or by telegraphic, Faxed or written request. After the scheduled closing time for the receipt of Bids or before the award of the Contract, no Bidder will be permitted to withdraw its Bid unless said award is delayed for a period exceeding sixty (60) days.
- B. If it becomes necessary for the Bidder to claim error, the Bidder must do so prior to 5:00PM the next business day following the Bid Opening. The Bidder must submit complete documents that show the error is mathematical or clerical in nature and not a misjudgment of the scope of work and Bid Documents. Such a claim of error will preclude Bidder from rebidding the project in the event the Owner has no responsive Bids remaining within the funds available and must readvertise for Bids. The Owner may assess damages against Bidder so claiming error.

1.13 SUBSTITUTIONS AND APPROVAL PRIOR TO RECEIPT OF BIDS

- A. Bids must be based on the specific articles and materials named on the Contract Documents or their approved equals.
- B. During the bidding period, written requests for approval of substitutions by prime bidders will be considered if received in the Architect's office not later than five (5) calendar days prior to the date of Bid Opening. Such requests shall be accompanied by complete descriptions, technical data and documentary evidence that the proposed substitution is equal to, or better than, those articles or materials specified. The Architect reserves the right to request that samples be submitted and satisfactory demonstrations be made for the proposed substitutions prior to approval.
- C. Approval of proposed substitutions will be made by Addenda mailed to all Plan Holders. Proposed substitutions not so listed shall be considered having been rejected.

D. Refer to Section 00 26 00 for additional requirements and for Substitution Request Form.

1.14 OPENING OF BIDS

At the time and place set for the opening and reading of Bids, each and every proposal (except those which may have been withdrawn in accordance with the foregoing WITHDRAWAL OF BIDS), received prior to the scheduled closing time for receipt of proposals will be publicly opened and read aloud, irrespective of any irregularities or informalities in such proposals.

1.15 TERMINATION PRIOR TO CONTRACT SIGNING

The Bidders are advised that Owner reserves the right to choose not to award the Contract up to the time the Owner signs the Agreement, including after the Notice of Intent to Award has been issued. In submitting the Bid, the Bidder agrees such termination will not result in any claims or caused of action for costs or damages by the Bidders against the Owner.

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Definitions and Product Options.
- B. Substitution Requests during Bidding Period and Construction Period.
- C. Submittal requirements and considerations for approving substitutions.
- D. Substitution Request Form: Follows this Section.

1.03 DEFINITIONS AND PRODUCT OPTIONS

- A. Performance Specifications: No manufacturer is specified, and requirements are specified by descriptive requirements, design requirements, performance requirements, reference standards, and codes. Product options complying with or exceeding provisions of Contract Documents are acceptable and require no Substitution Request.
- B. Closed Proprietary Specifications: Products by one or more manufacturers are specified and specification Section does not allow for approval of another products by Substitutions Request. No other product options will be accepted. Provide products and work as specified.
- C. Open Proprietary Specifications: Products by one or more manufacturers are specified, and specification Section allows for approval of other products by Substitution Request. Submit Substitution Request for other products to Architect under provisions of this Section.

1.04 SUBSTITUTION REQUESTS DURING BIDDING PERIOD

- A. Submit Substitution Request to reach Architect's office before 5:00 PM at least 10 working days prior to date for receiving Bids.
- B. Bidders will be notified by Addendum of Products approved in addition to those specified. No other form of approval, including verbal or implied, is acceptable to indicate approval of Substitution Requests. Substitution Requests no accepted by addendum are not accepted for Work of this Contract.

1.05 SUBSTITUTION REQUESTS DURING CONSTRUCTION PERIOD

- A. Substitution request shall be submitted by Contractor only.
- B. Substitution requests will not be considered, except for following reasons. Indicate one or more reasons why substitution is necessary with submittal of Substitution Request.
 - 1. Unavailability: Specified item has been discontinued or is unavailable in time to meet Construction Schedule through no fault of Contractor or subcontractor.
 - 2. Unsuitability: Subsequent information discloses specified item as unsuitable, inappropriate,

- unable to perform properly, or fit designated space.
 - 3. Regulatory Requirements: Substitution is required to comply with Code interpretations or insurance regulations.
 - 4. Warranty: Manufacturer or fabricator declares specified item to be unsuitable for use intended or refuses to certify or warrant performance of specified item for Project.
- C. During Construction Period, Contractor will be notified by Architect in writing of decision to accept or reject Substitution Request.

1.06 SUBMITTAL REQUIREMENTS

- A. Submit Substitution Request on completed Substitution Request Form following this Section. Limit each request to one Substitution Request Form.
- B. Burden of proof is upon Substitution Request, as proposed, to show compliance with specified requirements. Submit drawings, product data, samples, certified test results, and as needed to fully describe Substitution Request for evaluation by Architect.
- C. Where product data includes other than that proposed by Substitution Request, clearly mark, or otherwise indicate, exact substitution.
- D. Document each Substitution Request with complete data substantiating that proposed substitution complies with provisions of Contract Documents.
- E. Submission of Substitution Request constitutes representation that Bidder or Contractor has investigated proposed substitution, determined that it meets or exceeds specified requirements, and agrees to:
 - 1. Provide same or better Warranty for substitution as for that specified.
 - 2. Coordinate accepted substitution with related work and make changes as needed for completion of Work of this Contract.
 - 3. Waive claims for additional costs or time extension due to approval of Substitution Request.
 - 4. Reimburse Owner and Architect for additional review time and redesign services, associated with approval of Substitution Request.
- F. Substitutions indicated or implied on submittals, such as Shop Drawings, will not be accepted.
- G. Products and materials included in the Work, not specified or approved by Substitution Request, are defined as Non-Conforming Work. Remove and replace as directed by Architect with conforming work at Contractor's expense and with no increase in Contract Time.

1.07 ARCHITECT WILL NOT CONSIDER:

- A. Substitution Requests which do not provide adequate or clearly defined information for complete and timely appraisal.
- B. Substitution which, if accepted, will require substantial revisions of Contract Documents.
- C. Substitution indicated or implied by Shop Drawings and other submittals.
- D. Substitutions not approved by published Addendum during Bid Period or not approved in writing by Architect during Construction Period.
- E. Substitutions not submitted on completed Substitution Request Form following this Section, or facsimile.

1.08 SUBSTITUTION REQUEST FORM

A. Substitution Request Form follows this Section.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not used

END OF SECTION

**HARDWARE AND ACCESS CONTROL UPGRADES
WOODLAND SCHOOL DISTRICT**

SUBSTITUTION REQUEST FORM

SUBMITTED TO: Eric Lanciault, Architect
3250 SE 164th Avenue
Suite 208
Vancouver, Washington 98683
eric@elaooa.com

PROJECT: Hardware and Access Control Upgrades

SPECIFIED ITEM

<i>Section No.</i>	<i>Paragraph Heading</i>	<i>Description of Specified Item</i>
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The undersigned requests consideration for following substitution to that specified.

PROPOSED SUBSTITUTION_____

ATTACHED DATA

Include product data, specifications, drawings, photographs, performance characteristics, test data, and other information as necessary for evaluation. Also state limitations and where product differs from that specified. Clearly identify proposed substitution from that no included in proposed substitution.

Include description of changes to Work of this Contract required by proposed substitution.

CERTIFICATION

Undersigned certifies that following paragraphs are correct, except as modified by attachment:

1. Proposed substitution is equivalent or superior in function, appearance, and quality to that specified.
2. Proposed substitution complies with specified Reference Standards, Design Requirements, Performance Requirements, Quality Assurance Standards, Regulatory Requirements, Warranty provisions, and other provisions of Contract Documents.
3. Proposed substitution will accommodate dimensions and clearances shown on Drawings, will not adversely affect work of other Sections, and will accommodate Construction Progress Schedule.
4. Technical representation, maintenance materials, and servicing are locally available for proposed substitution.
5. Undersigned agrees to pay cost associated with acceptance of proposed substitution necessitating changes to design, details, and construction, including associated architectural, engineering, and consultant fees.

SUBMITTED BY

FOR USE BY ARCHITECT

Signature_____

__ACCEPTED __ACCEPTED AS NOTED

Firm_____

__NOT ACCEPTED __RECEIVED TOO LATE

Address_____

By_____

Date_____

Remarks_____

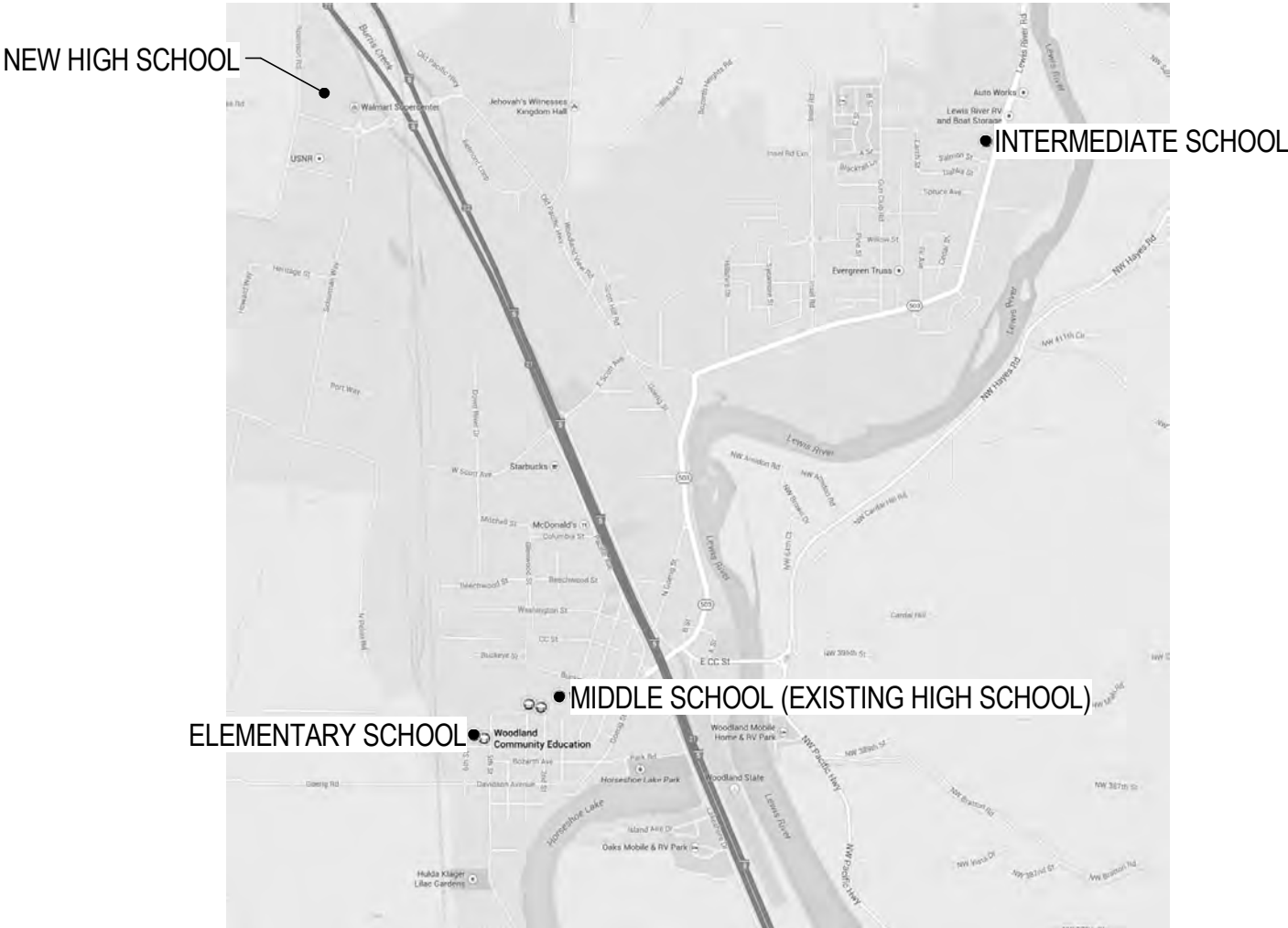
Date_____

Telephone_____

Facsimile_____

END OF SUBSTITUTION REQUEST FORM

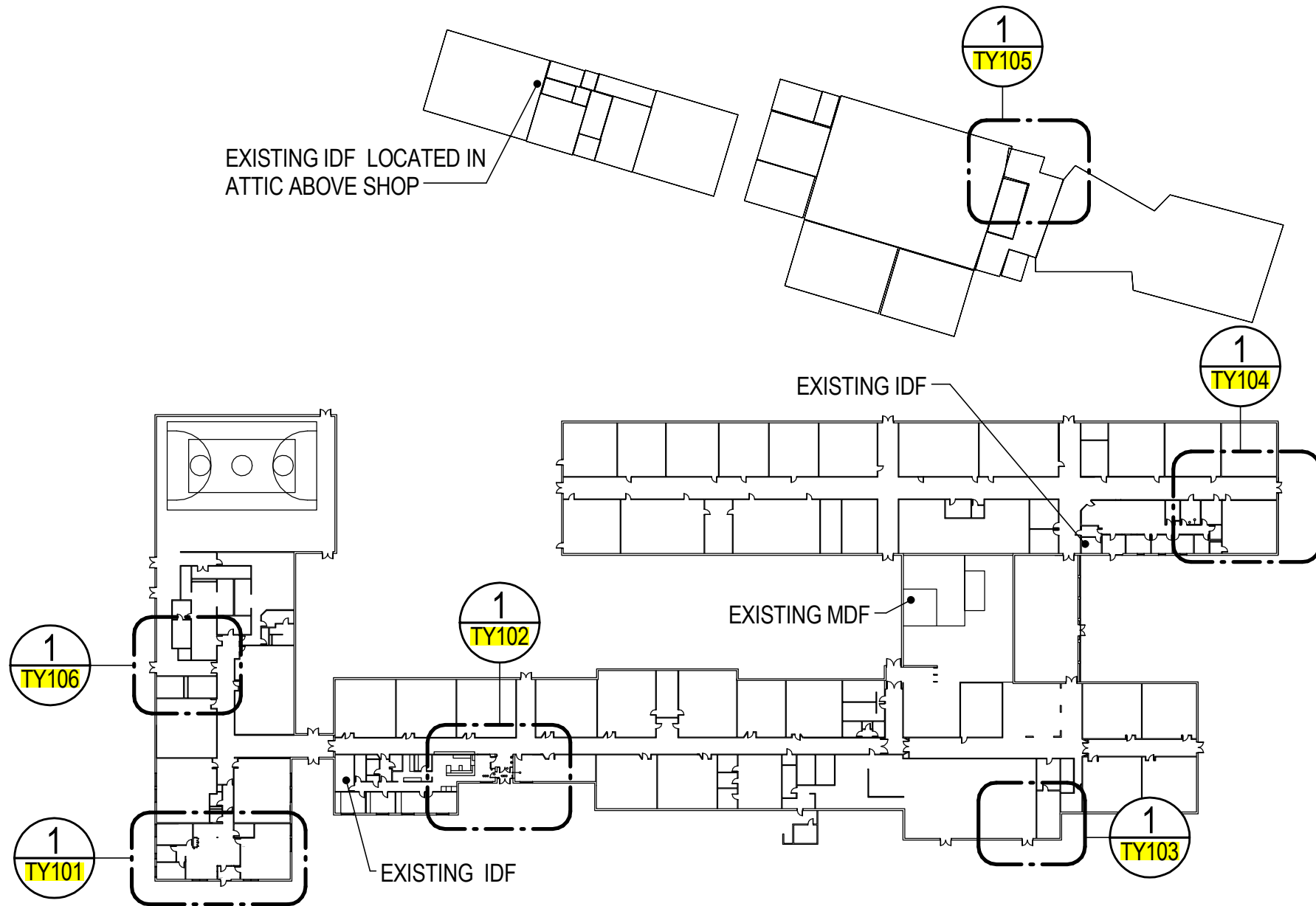
WOODLAND SD
ACCESS CONTROL UPGRADES AT MULTIPLE SITES



SHEET INDEX	
#	NAME
TY000	COVERSHEET
TY001	ACCESS CONTROL LEGEND
TY100	MIDDLE SCHOOL OVERALL PLAN
TY101	MIDDLE SCHOOL AREA 01
TY102	MIDDLE SCHOOL AREA 02
TY103	MIDDLE SCHOOL AREA 03
TY104	MIDDLE SCHOOL AREA 04
TY105	MIDDLE SCHOOL AREA 05
TY106	MIDDLE SCHOOL AREA 06
TY107	INTERMEDIATE SCHOOL OVERALL PLAN
TY108	INTERMEDIATE SCHOOL AREA 01
TY109	INTERMEDIATE SCHOOL AREA 02
TY110	ELEMENTARY SCHOOL OVERALL PLAN
TY111	ELEMENTARY SCHOOL AREA 01
TY600	ACCESS CONTROL SCHEDULES
TY601	ACCESS CONTROL DIAGRAMS
TY602	ACCESS CONTROL DIAGRAMS
TY603	ACCESS CONTROL DIAGRAMS

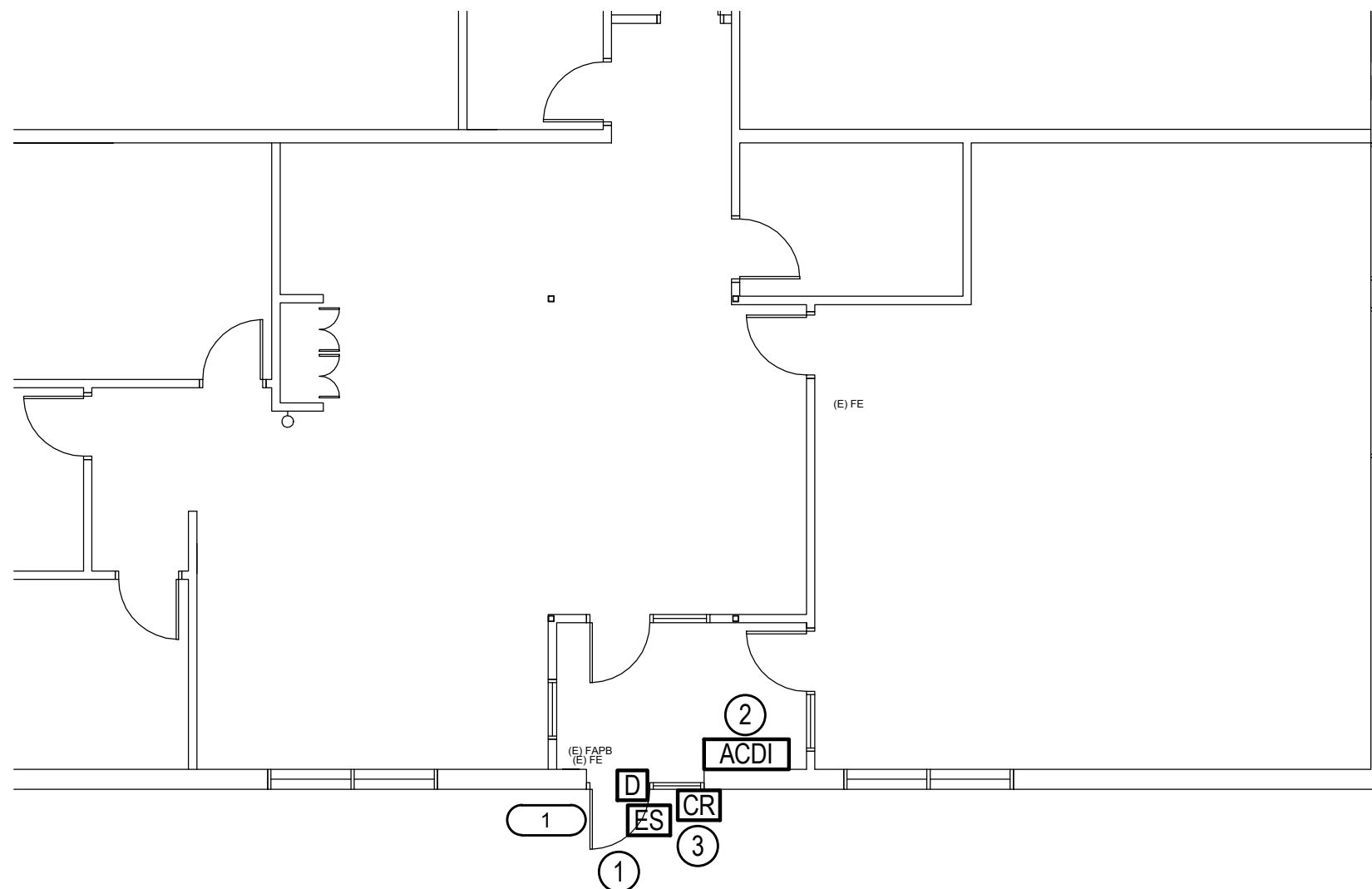
LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	ACCESS CONTROL SYSTEM		MISCELLANEOUS
ACDI	ACCCESS CONTROL DOOR INTERFACE. PROVIDE (1) CAT6 CABLE TO NEAREST IDF/MDF.	①	CONSTRUCTION NOTES
CR	PROXIMITY CARD READER - WALL MOUNT TO SINGLE GANG BOX SURFACE MOUNT TO WALL, MULLION, OR BOLLARD.	①	DEMOLITION NOTES
D	DOOR POSITION SWITCH (A DPDT SHALL BE PROVIDED AT EACH LOCATION SHOWN [FOR BOTH THE INTRUSION ALARM SYSTEM AND ACCESS CONTROL SYSTEM]). PROVIDED AND INSTALLED BY THE ACCESS CONTROL SYSTEM INSTALLING VENDOR. COORDINATE WITH ALL TRADES, AS REQUIRED.	①	FLAG NOTES
REX	REQUEST TO EXIT	① A101	DETAIL CALL OUT - "1" INDICATES DETAIL IDENTIFICATION, "A101" INDICATES SHEET DRAWN ON
ES	ELECTRIC STRIKE - PROVIDED BY DOOR HARDWARE , COORDINATE CONNECTION AS REQUIRED.	101	DOOR NUMBER
EL	ELECTRIC LOCK - COORDINATE WITH DOOR HARDWARE - PROVIDED BY DOOR HARDWARE , COORDINATE CONNECTION AS REQUIRED	\$	ALL DEVICES WITH LIGHT LINE WEIGHT INDICATES EXISTING TO BE RETAINED
ED	ELECTRIFIED EXIT DEVICE (AKA "CRASH BARS", "PANIC HARDWARE", ETC.) - PROVIDED BY DOOR HARDWARE , COORDINATE CONNECTION AS REQUIRED.	+	ALL DEVICES WITH DASH LINE INDICATES EXISTING TO BE REMOVED



CONSTRUCTION NOTES

1. PROVIDE POWER FROM NEAREST 120VAC UN-SWITCHED CIRCUIT FOR DOOR HARDWARE POWER SUPPLY.
2. PROVIDE ACCESS CONTROL DOOR INTERFACE ABOVE ACCESSIBLE CEILING SPACE AND PROVIDE (1)CAT6 CABLE TO NEAREST IDF.
3. PROVIDE SURFACE MOUNT CARD READER AND PROVIDE (1)1/2" C. TO ACCESS CONTROL DOOR READER INTERFACE.



ERIC LANCIAULT, ARCHITECT
3250 SE 164TH AVENUE
SUITE 208
VANCOUVER, WASHINGTON 98683
360.768.3801



6021 12TH STREET E., SUITE 200
TACOMA, WA 98424
(253) 922-0446 FAX (253) 922-0896

WOODLAND SCHOOL DISTRICT MIDDLE SCHOOL AREA 01
ACCESS CONTROL AT MULTIPLE
SITES

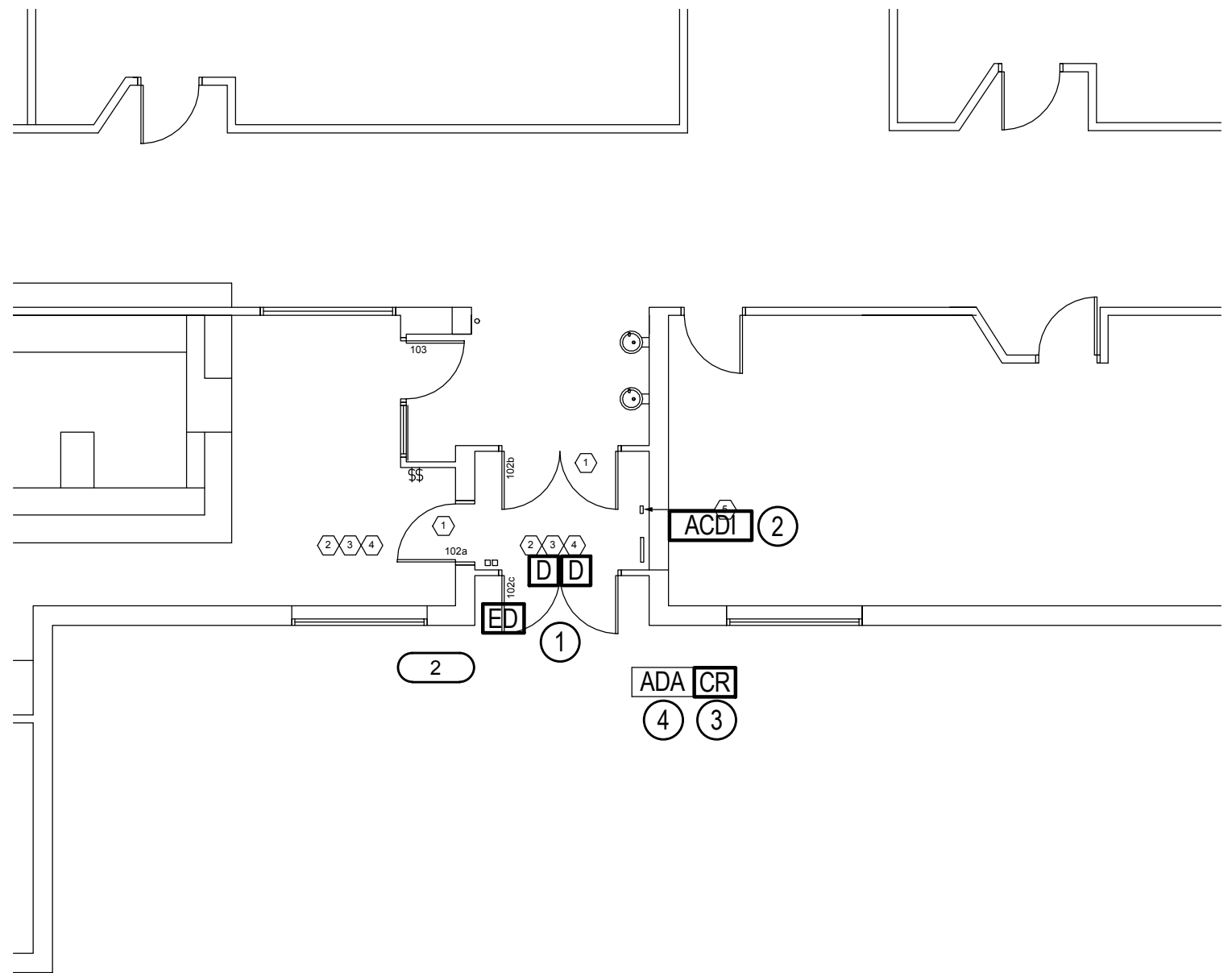
TY101

OPTION B

ISSUE DATE: N/A
JOB NUMBER: 470
SCALE: 1/8" = 1'-0"

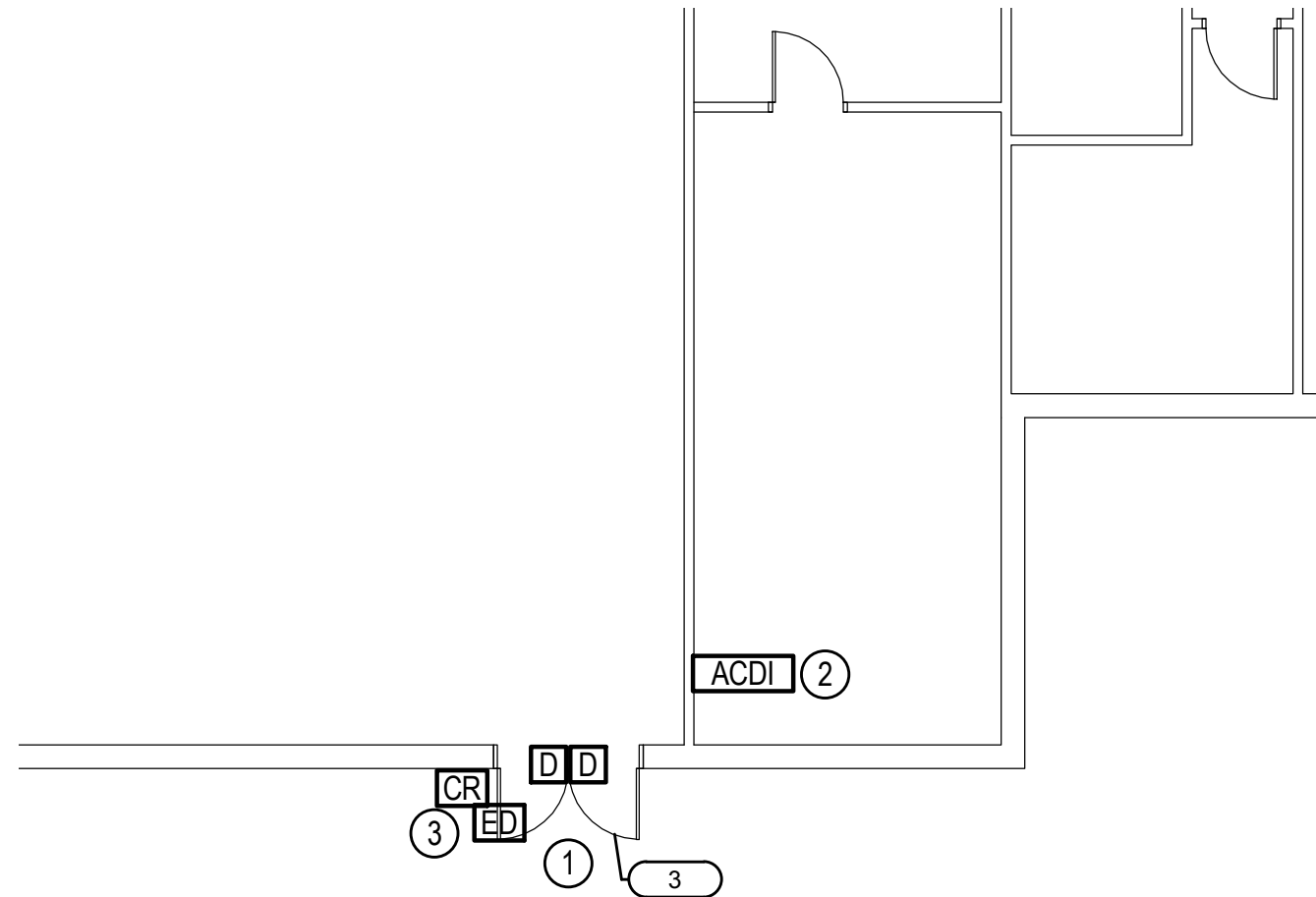
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2. PROVIDE ACCESS CONTROL DOOR INTERFACE ABOVE ACCESSIBLE CEILING SPACE AND PROVIDE (1)CAT6 CABLE TO NEAREST IDF.
3. PROVIDE SURFACE MOUNT CARD READER ADJACENT TO EXISTING ADA BUTTON, AND PROVIDE (1)1/2" C. TO ACCESS CONTROL DOOR READER INTERFACE.
4. EXISTING ADA DOOR BUTTON, PROVIDE CONNECTION TO ACCESS CONTROL DOOR INTERFACE TO OPEN THE DOOR WHEN CARD READ IS ACCEPTED.



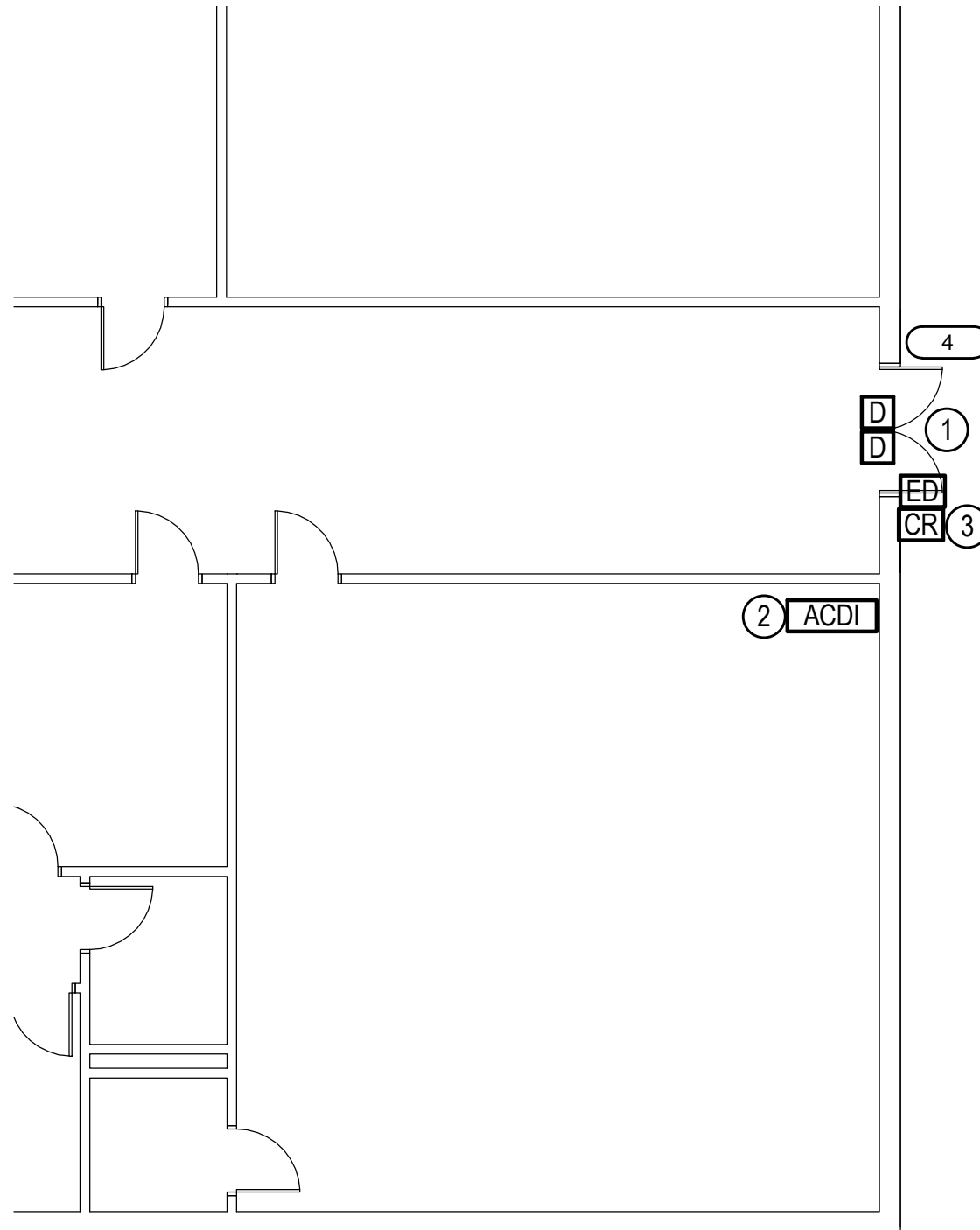
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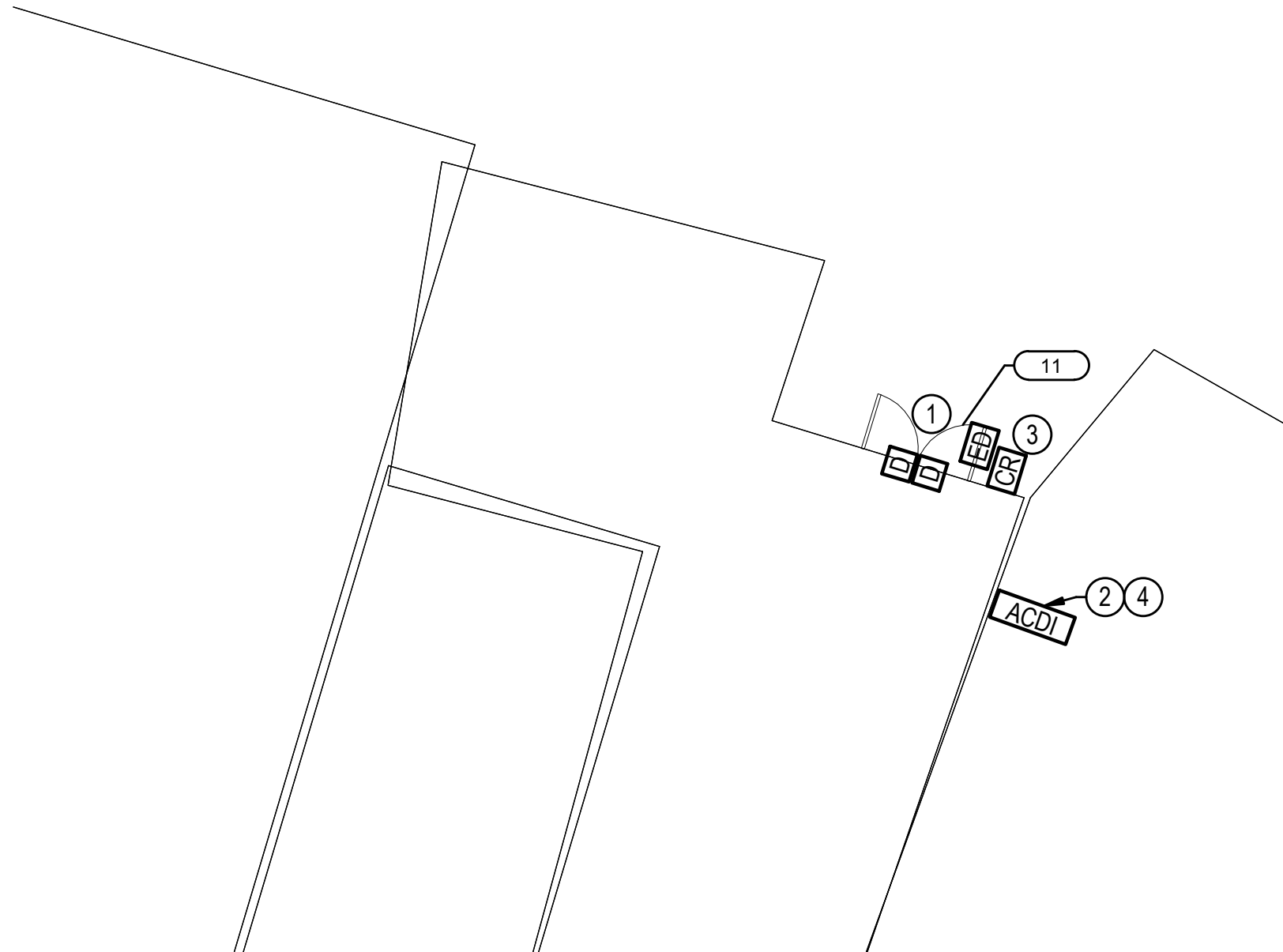
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3. PROVIDE SURFACE MOUNT CARD READER AND PROVIDE (1)1/2" C. TO ACCESS CONTROL DOOR READER INTERFACE.



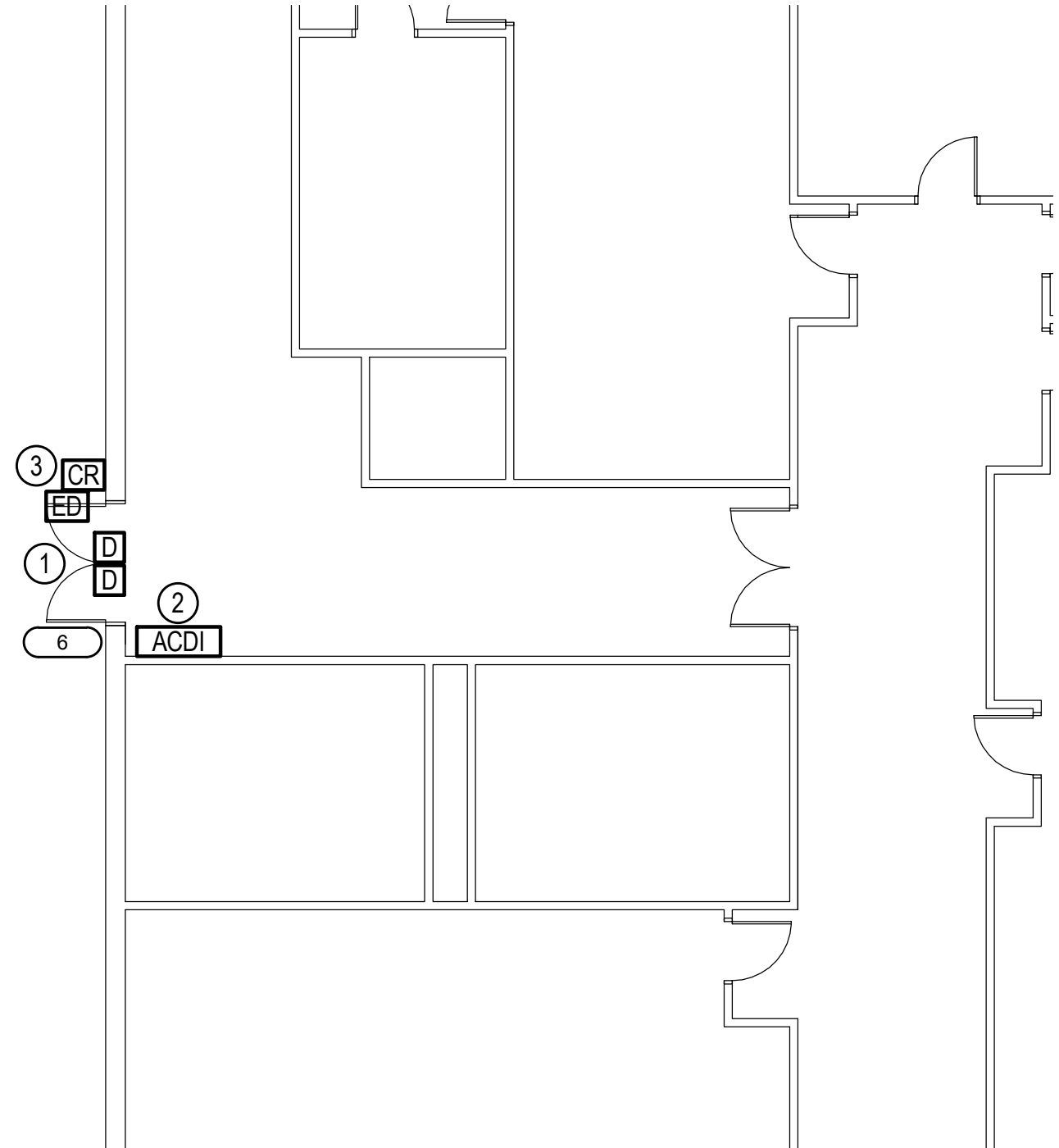
CONSTRUCTION NOTES

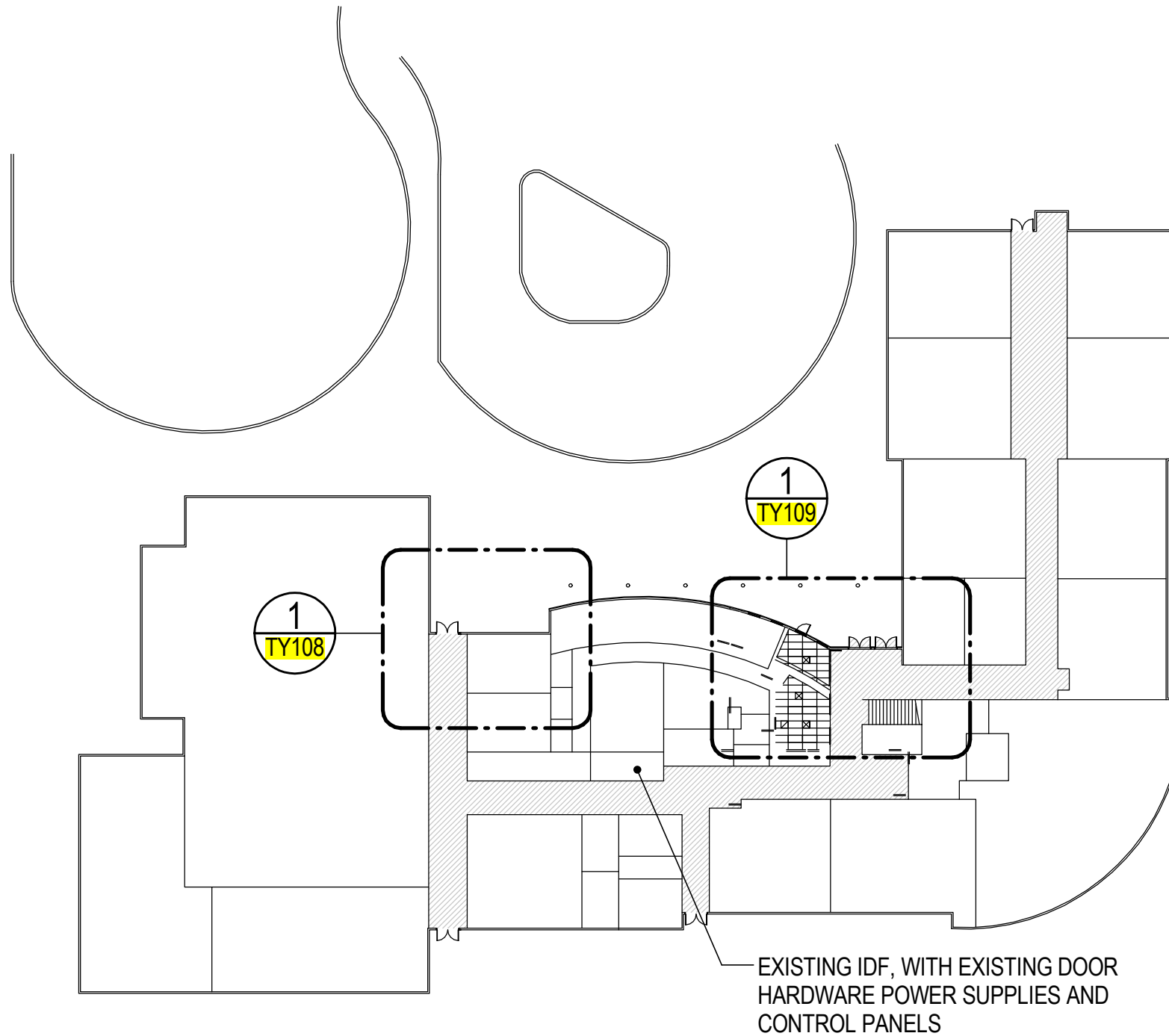
1. PROVIDE POWER FROM NEAREST 120VAC UN-SWITCHED CIRCUIT FOR DOOR HARDWARE POWER SUPPLY.
2. PROVIDE ACCESS CONTROL DOOR INTERFACE ABOVE ACCESSIBLE CEILING SPACE AND PROVIDE (1)CAT6 CABLE TO NEAREST IDF.
3. PROVIDE SURFACE MOUNT CARD READER AND PROVIDE (1)1/2" C. TO ACCESS CONTROL DOOR READER INTERFACE.
4. MOUNT ACDI AT 8'-0" AFF ON CMU WALL IN AUDITORIUM VESTIBULE.



CONSTRUCTION NOTES

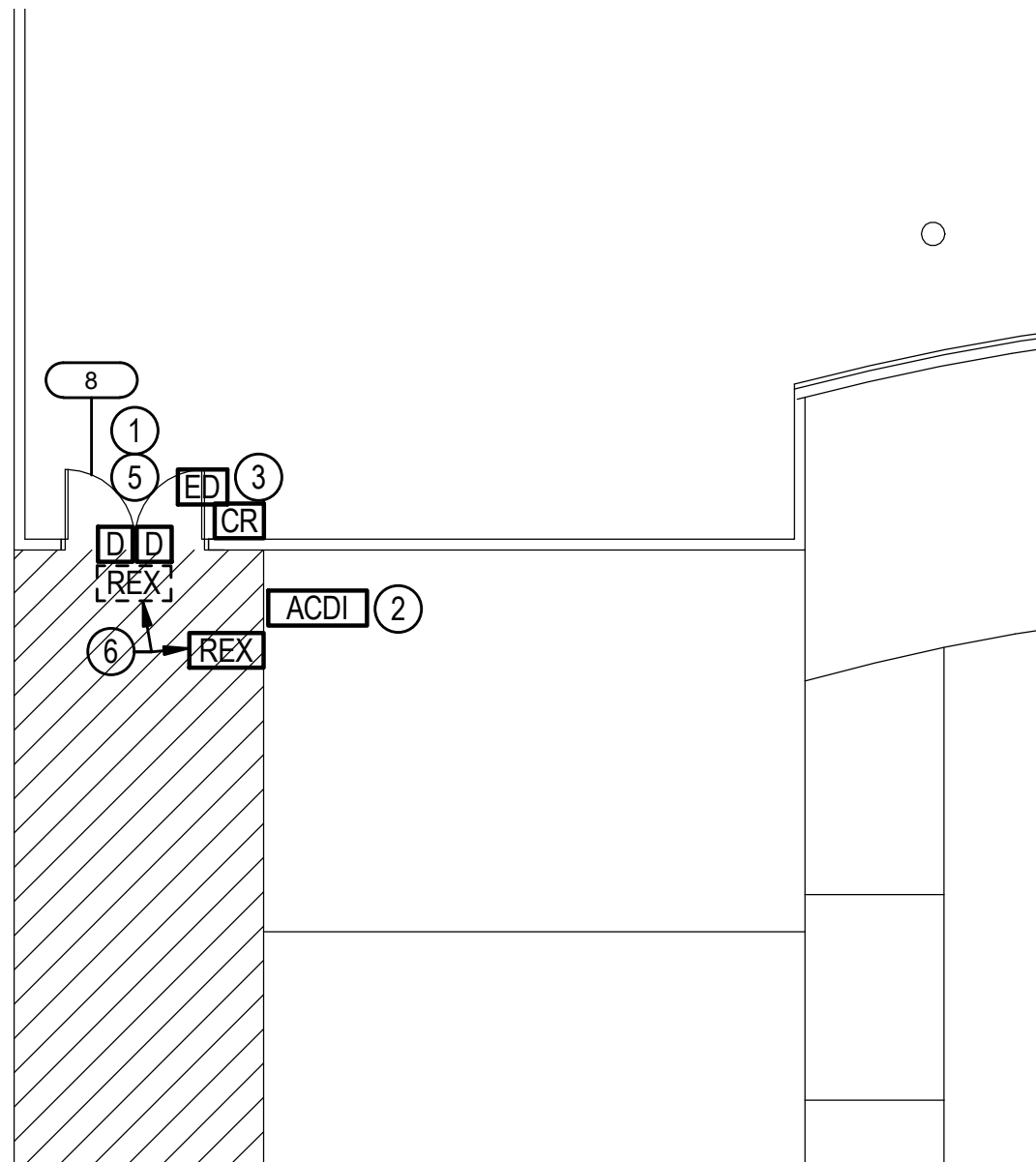
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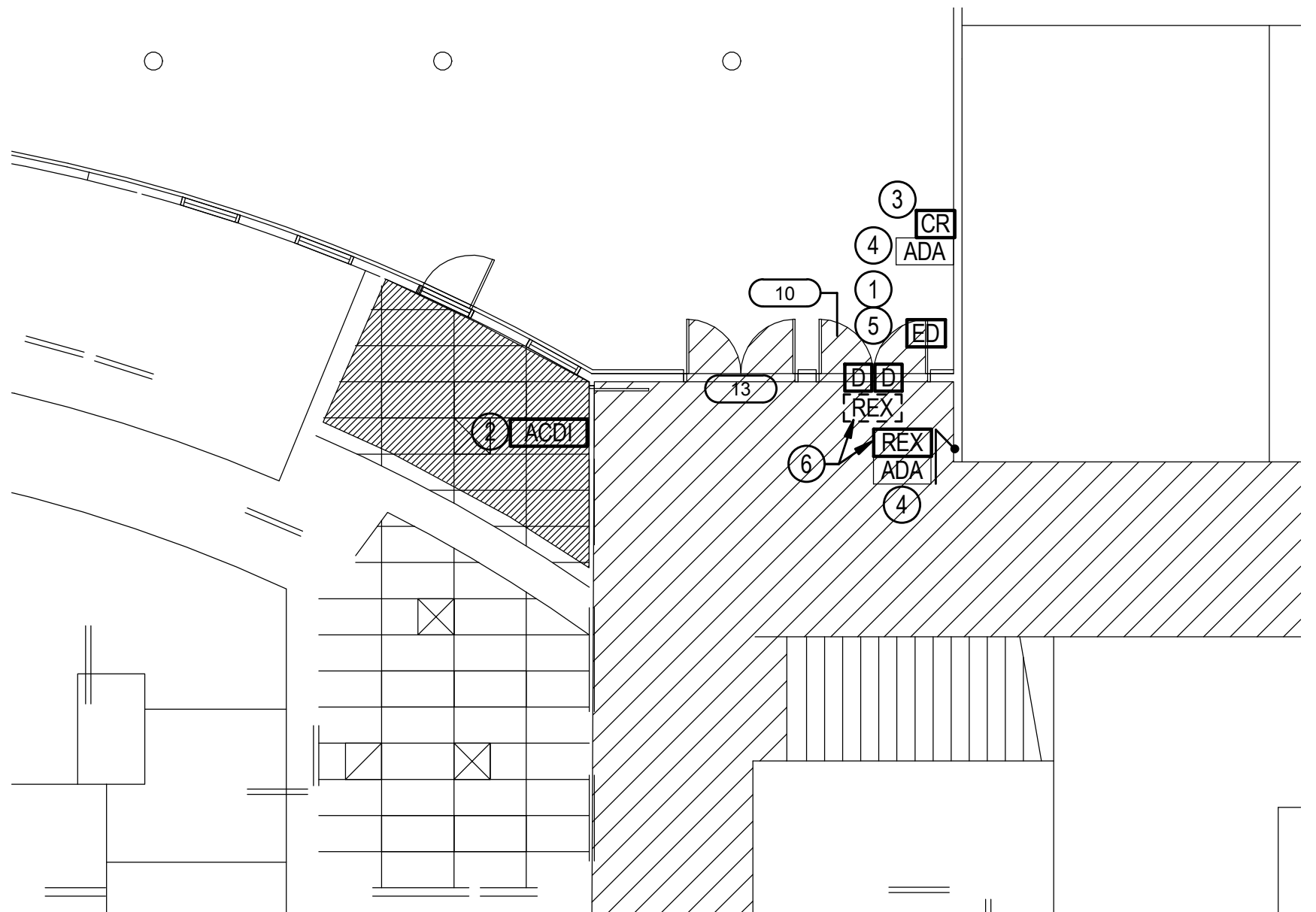
CONSTRUCTION NOTES

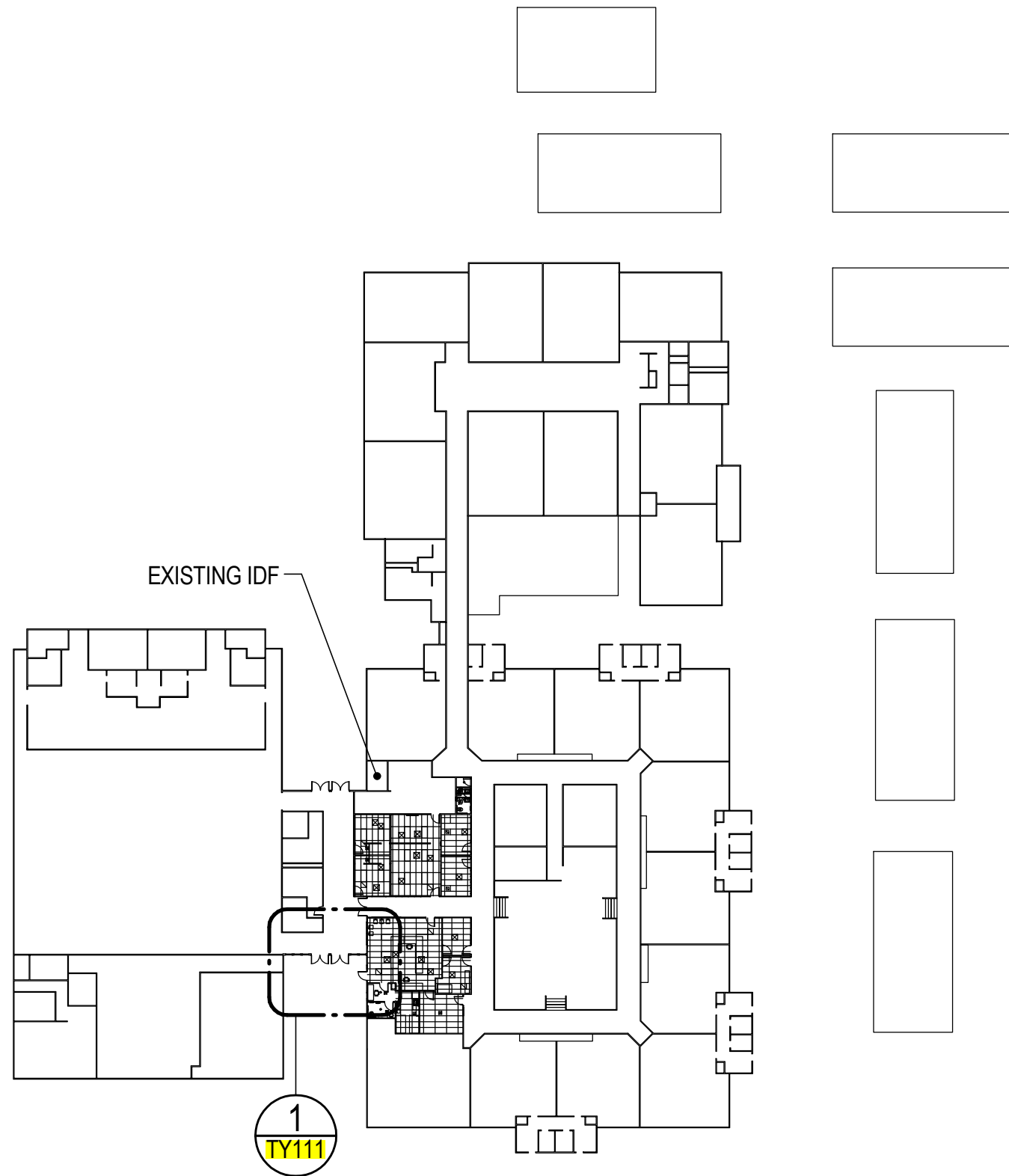
1. PROVIDE POWER FROM NEAREST 120VAC UN-SWITCHED CIRCUIT FOR DOOR HARDWARE POWER SUPPLY.
2. PROVIDE ACCESS CONTROL DOOR INTERFACE ABOVE ACCESSIBLE CEILING SPACE AND PROVIDE (1)CAT6 CABLE TO NEAREST IDF.
3. PROVIDE CARD READER IN EXISTING KEY-FOB READER BOX, AND INTERCEPT EXISTING CONDUIT FOR CONNECTION TO ACDI.
4. EXISTING ADA DOOR BUTTON, PROVIDE CONNECTION TO ACCESS CONTROL DOOR INTERFACE TO OPEN THE DOOR WHEN CARD READ IS ACCEPTED.
5. REMOVE EXISTING MAG LOCKS
6. REMOVE EXISTING REX AND PROVIDE REQUEST TO EXIT BUTTON



CONSTRUCTION NOTES

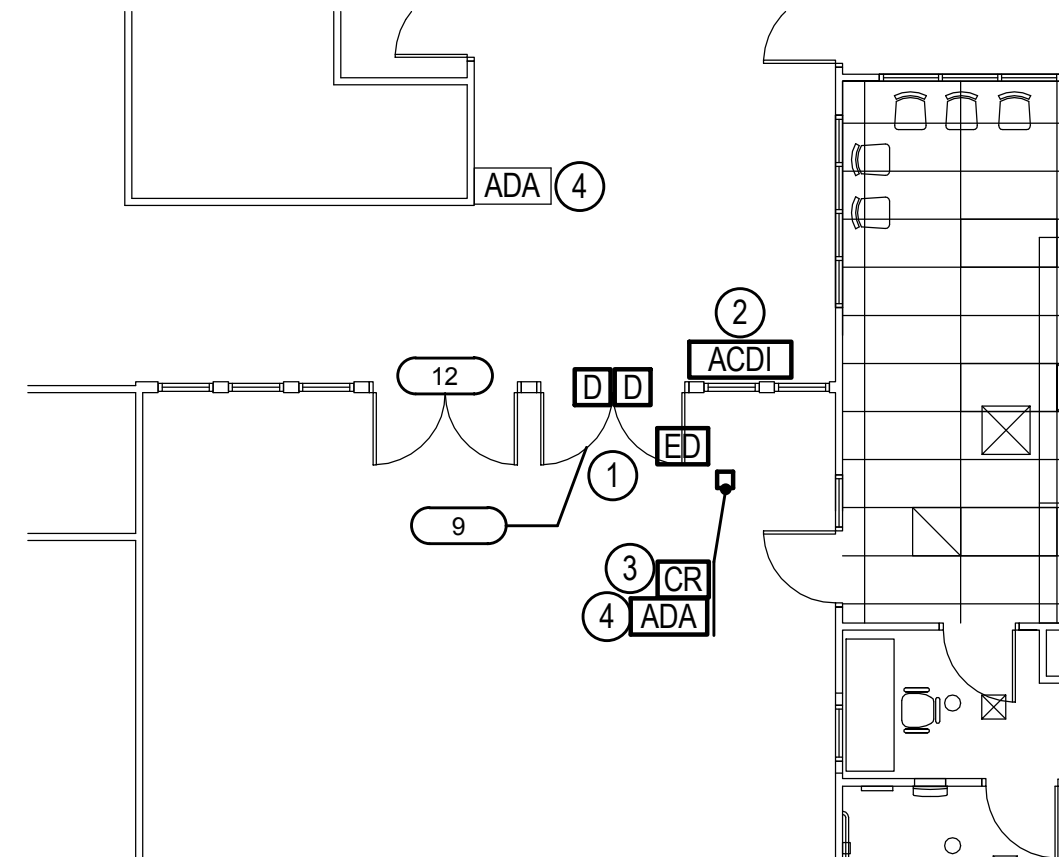
1. REUSE EXISTING 120VAC CIRCUIT FOR DOOR HARDWARE POWER SUPPLY.
2. PROVIDE ACCESS CONTROL DOOR INTERFACE ABOVE ACCESSIBLE CEILING SPACE AND PROVIDE (1)CAT6 CABLE TO NEAREST IDF.
3. PROVIDE CARD READER IN EXISTING KEY-FOB READER BOX, AND INTERCEPT EXISTING CONDUIT FOR CONNECTION TO ACDI.
4. EXISTING ADA DOOR BUTTON, PROVIDE CONNECTION TO ACCESS CONTROL DOOR INTERFACE TO OPEN THE DOOR WHEN CARD READ IS ACCEPTED.
5. REMOVE EXISTING MAG LOCKS
6. REMOVE EXISTING REX AND PROVIDE REQUEST TO EXIT BUTTON





CONSTRUCTION NOTES

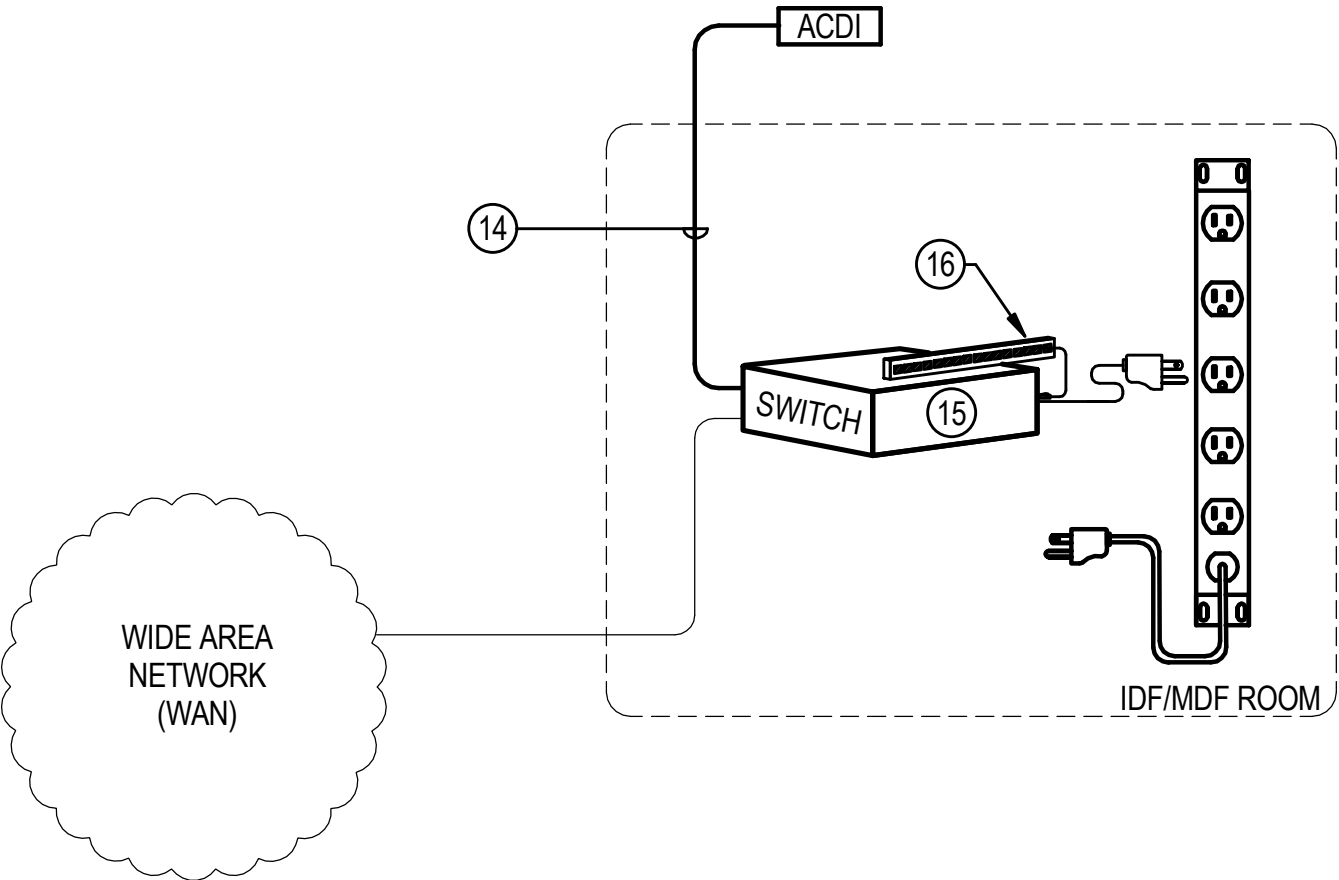
1. PROVIDE POWER FROM NEAREST 120VAC UN-SWITCHED CIRCUIT FOR DOOR HARDWARE POWER SUPPLY.
2. PROVIDE ACCESS CONTROL DOOR INTERFACE ABOVE ACCESSIBLE CEILING SPACE AND PROVIDE (1)CAT6 CABLE TO NEAREST IDF.
3. PROVIDE FLUSH MOUNT CARD READER BELOW NEW ADA BUTTON IN NEW PEDESTAL, AND PROVIDE (1)1/2" C. TO ACCESS CONTROL DOOR READER INTERFACE.
4. NEW ADA DOOR BUTTON, PROVIDE CONNECTION TO ACCESS CONTROL DOOR INTERFACE TO OPEN THE DOOR WHEN CARD READ IS ACCEPTED.

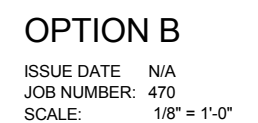


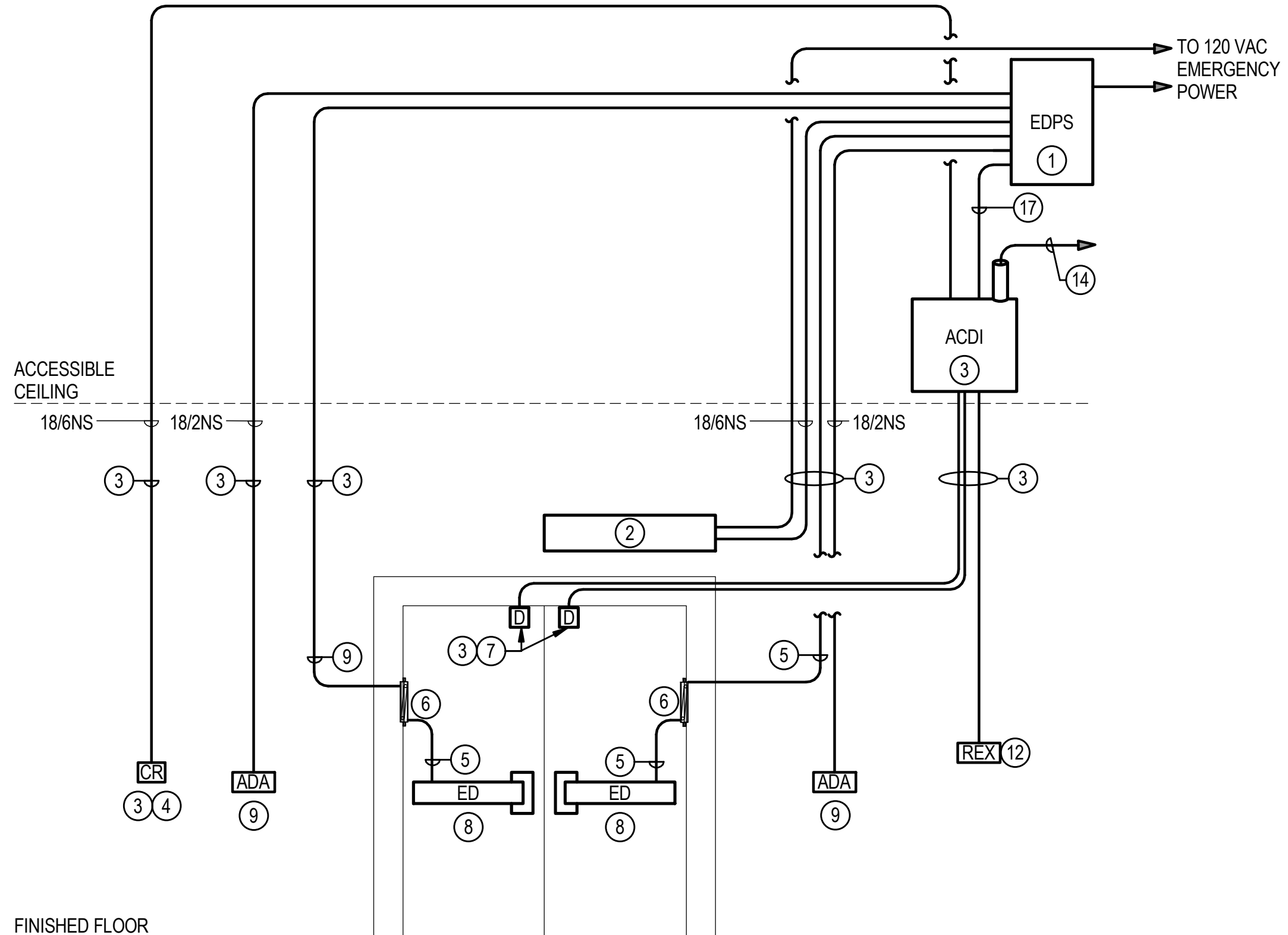
ACCESS CONTROL DEVICE SCHEDULE				
SYMBOL NAME	MFG	MODEL	DESCRIPTION	NOTES
ACDI	MERCURY SECURITY	EP1501	ACCESS CONTROL DOOR INTERFACE	INSTALL AS SHOWN ON PLANS
ADA			AUTOMATIC DOOR OPERATOR PUSHBUTTON	COORDINATE WITH DOOR HARDWARE SUPPLIER FOR CONNECTION
CR	HID	iCLASS R10	ELECTRONIC PROXIMITY CARD READER	INSTALL AS SHOWN ON PLANS
D	GE Security	1076D	DOOR POSITION SWITCH	INSTALL FLUSH IN DOOR FRAME AND PANEL, PROVIDE CONNECTION TO ACDI
ED			ELECTRIFIED EXIT DEVICE	COORDINATE WITH DOOR HARDWARE SUPPLIER FOR CONNECTION
ES			ELECTRIFIED STRIKE	COORDINATE WITH DOOR HARDWARE SUPPLIER FOR CONNECTION
REX			REQUEST TO EXIT	COORDINATE WITH DOOR HARDWARE SUPPLIER FOR CONNECTION

ACCESS CONTROL / INTRUSION DOOR HARDWARE SCHEDULE										
DOOR NUMBER	REQUIRES 120VAC CIRCUIT	AUTOMATIC OPERATOR	CARD READER (CR)	DOOR POSITION SWITCH (D)	ELECTRIFIED EXIT DEVICE (ED)	ELECTRONIC LOCK (EL)	ELECTRIC STRIKE (ES)	REQUIRES POWER TRANSFER HINGE	DOUBLE DOOR	NOTES
1	X	-	X	X	-	-	X	-	-	
2	X	X	X	X	X	-	-	X	X	
3	X	-	X	X	X	-	-	X	X	
4	X	-	X	X	X	-	-	X	X	
6	X	-	X	X	X	-	-	X	X	
8	X	-	X	X	X	-	-	X	X	
9	X	X	X	X	X	-	-	X	X	
10	X	X	X	X	X	-	-	X	X	
11	X	-	X	X	X	-	-	X	X	
12	-	-	-	-	-	-	-	-	X	
13	-	-	-	-	-	-	-	-	X	

ACCESS CONTROL SYSTEM CONSTRUCTION NOTES			
DIVISION		#	NOTE
PROVIDED	INSTALLED		
8	28	1	(EDPS) ELECTRIFIED EXIT DEVICE POWER SUPPLY
8	8	2	AUTO OPERATOR
28	28	3	SEE SECTION 281300 ACCESS CONTROL SYSTEM FOR ADDITIONAL CABLING AND MOUNTING REQUIREMENTS
28	28	4	CARD READER
28	28	5	CABLING FOR THE ELECTRIFIED EXIT DEVICE (ED). USE THE ENTIRE CABLE RUN DISTANCE TO DETERMINE THE CONDUCTOR SIZE REQUIRED FOR EACH DOOR: 50'-0" OR LESS=14AWG, 100'-0" OR LESS=12AWG. FOUR (4) CONDUCTORS ARE REQUIRED TO EACH LOCATION
8	8	6	POWER TRANSFER HINGE
28	28	7	DOOR POSITION SWITCH
8	8	8	(ED) ELECTRIFIED EXIT DEVICE
8	28	9	(ADA) PUSH BUTTON
8	8	10	(EL) ELECTRIC LOCK
28	28	11	CABLING FOR EACH ELECTRIC LOCK SHALL MEET THE MANUFACTURERS CABLING REQUIREMENTS.
28	28	12	(REX) REQUEST TO EXIT PUSH BUTTON
8	8	13	(ES) ELECTRIC STRIKE
27	27	14	CAT6 CABLE TO CLOSEST TELECOMM ROOM (IDF/MDF)
28	28	15	ACCESS CONTROL PoE SWITCH
27	27	16	CAT6 PATCH PANEL
28	28	17	PROVIDE WIRING FROM RELAY OUTPUTS OF ACDI TO EDPS TO CONTROL STRIKES AND OTHER EXIT DEVICES.







PART 1 -- BID PROPOSAL

1.01 BASE BID

The undersigned agrees to perform the Work described in the Specifications and shown within the Contract Documents and as modified by all addenda for the sum of

_____ Dollars (\$_____)
(Print Dollar amount in space above; Do not include Washington State Sales Tax)

which sum is hereby designated Base Bid.

(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.)

1.02 CONTRACT

If the undersigned be notified of the acceptance of this proposal within sixty (60) days of the time set for the opening of bids, the undersigned agrees to execute a contract for the above Work, for a compensation computed from the above named sums, in the Agreement in accordance with Section 00 52 00.

1.03 TIME FOR COMPLETION

The time for Commencement and Completion of the Work shall be in accordance with provisions of Article 3 in the Agreement, Section 00 52 00.

1.04 LIQUIDATED DAMAGES

None.

1.07 ADDENDA

Receipt of Addenda numbered _____ through _____ is hereby acknowledged.

1.08 ENCLOSURES WITH THE BID

A. Affidavit of Non-Collusion _____

Name of Firm: _____

Signed by: _____ Title: _____

Address: _____

Telephone: _____ Facsimile: _____

State of Washington Contractor's License No. _____

Signed by

(Please Print Name)

Name of Bidder/Firm Submitting Bid

(Please Print)

AFFIDAVIT OF NON-COLLUSION

State of Washington)
County of) ss

Being duly sworn, deposes and says, that he is the identical person who submitted the foregoing proposal or bid, and that such bid is genuine and not sham or collusive or made in the interest or on behalf of any person not thereon named, and further, that the deponent has not directly or indirectly induced or solicited any other bidder on the foregoing work or equipment to put in a sham bid, or any other person or corporation to refrain from bidding, and that deponent has not, in any manner, sought by collusion to secure himself, or to any other person, an advantage over any other Bidder or Bidders.

Sign Here:

(Company Name)

(Signature)

(Title)

(SEAL, IF INCORPORATED)

Subscribed and sworn to before me this day of , 2015.

Notary Public in and for the State of Washington, residing at:

(This Affidavit properly executed must accompany all proposals)

PART 1 -- GENERAL

1.01 SECTION INCLUDES

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.
- C. Contracts and Bonds.

1.02 FORM OF AGREEMENT

- A. The agreement titled "AGREEMENT BETWEEN WOODLAND SCHOOL DISTRICT 404 AND CONTRACTOR" will be used as the form of Agreement for this project.
 - 1. The Agreement follows this Section.

1.03 GENERAL CONDITIONS OF THE CONTRACT

Article 10 of the Agreement begins the General Conditions of the Contract.

PART 2 - PRODUCTS

Not Used.

PART 3 - EXECUTION

Not Used.

END OF SECTION

AGREEMENT
between
WOODLAND SCHOOL DISTRICT NO. 404
and
CONTRACTOR

This AGREEMENT is made as of the ____ day of _____, 2015, between the Woodland School District No. 404 (“School District”), 800 3rd Street, Woodland, WA 98674, and the Contractor:

The Architect/Engineer (“A/E”), if any, is:

The Project is:

The School District’s Representative is:

Michael Green, Superintendent
Woodland School District No. 404
800 3rd Street
Woodland, WA 98674
(360) 841-2700
greenm@woodlandschools.org

The School District and Contractor agree as follows.

ARTICLE 1
THE CONTRACT DOCUMENTS

1.1 The Contract Documents form the Contract and consist of this Agreement, the revised General Conditions (including any Supplemental or Special Conditions), Drawings, Specifications, Addenda, other documents listed in this Agreement and Changes issued after execution of this Agreement, all of which are as fully a part of the Contract as if attached to this Agreement or repeated in it. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations or agreements, either written or oral. An enumeration of the Contract Documents, other than Changes, appears in Article 9.

ARTICLE 2
THE WORK UNDER THIS AGREEMENT

2.1 The Contractor shall fully execute and complete the entire Work described in the Contract Documents, except to the extent specifically indicated in the Contract Documents to be the responsibility of others.

ARTICLE 3
DATES OF COMMENCEMENT AND COMPLETION

3.1 The date of commencement, the date from which the Contract Time of Section 3.3 is measured, is the date of this Agreement, as first written above, unless a different date is stated below or provision is made for the date to be fixed in a Notice to Proceed issued by the School District.

3.2 The Notice to Proceed permits the commencement of on-site Work and of the Contract Time. The execution of this Agreement allows the Contractor to commence all other Work.

3.3 The Contractor shall achieve Substantial Completion of each phase of the Work no later than as described in the Contract Documents, and to finally complete work within 14 calendar days after Substantial Completion of all of the Work, subject to adjustments of this Contract Time as provided in the Contract Documents. Liquidated damages shall be in the amount of \$_____ per calendar day for each calendar day after the Contract Time that Substantial Completion is not attained. Liquidated damages shall be in the amount of \$_____ per calendar day for each calendar day in excess of 14 days after Substantial Completion that Final Completion is not attained. The Contractor agrees that the liquidated damages amounts, contained in this Section 3.3, are not penalties and are a reasonable estimation of actual damages, as of this date of Agreement, based on the inherent uncertainty and difficulty in determining and quantifying damages caused by delays in the construction of School District facilities.

ARTICLE 4

THE CONTRACT SUM

4.1 The School District shall pay the Contractor in current funds for the Contractor's performance of the Contract the Contract Sum of _____ Dollars (\$_____), subject to additions and deductions as provided in the Contract Documents. Sales tax is not included in the Contract Sum.

4.2 The Contract Sum is based upon the following Alternates, if any, which are described in the Contract Documents and are hereby accepted by the School District:

4.3 Unit prices, if any, are as follows:

<u>Description</u>	<u>Units</u>	<u>Price</u>

4.4 Allowances, if any, are as follows:

<u>Description</u>	<u>Units</u>	<u>Price</u>

ARTICLE 5

PROGRESS PAYMENTS

5.1 Based upon Applications for Payment submitted to the A/E by the Contractor and Certificates for Payment issued by the A/E, the School District shall make progress payments on account of the Contract Sum to the Contractor as provided below and elsewhere in the Contract Documents.

5.2 The period covered by each Application for Payment shall be one (1) calendar month ending on the last day of the month, or as follows:

5.3 The School District shall make payment to the Contractor as specified in the Contract Documents.

5.4 Each Application for Payment shall be based upon the most recent schedule of values submitted by the Contractor in accordance with the Contract Documents. The schedule of values shall allocate the entire Contract Sum among the various portions of the Work and be prepared in such form and supported by such data to substantiate its accuracy as the School District may require. This schedule, unless objected to by the School District, shall be used as a basis for reviewing the Contractor's Applications for Payment.

5.5 Applications for Payment shall indicate the percentage of completion of each portion of the Work as of the end of the period covered by the Application for Payment. The Application shall identify with specificity the Subcontractors and suppliers that the Contractor intends to pay through the Application, and the amount of payment intended for each.

5.6 Subject to the provisions of the Contract Documents, the amount of each progress payment shall be computed as follows:

5.6.1 Take that portion of the Contract Sum properly allocable to completed Work as determined by multiplying the percentage completion of each portion of the Work by the share of the total Contract Sum allocated to that portion of the Work in the Schedule of Values, less retainage of five percent (5%);

5.6.2 Add that portion of the Contract Sum properly allocable to materials and equipment delivered and suitably stored at the site for subsequent incorporation in the completed construction, less retainage of five percent (5%);

5.6.3 Subtract the aggregate of previous payments made by the School District; and

5.6.4 Subtract amounts, if any, for which the A/E has withheld or nullified a Certificate for Payment as provided in the General Conditions.

5.7 The progress payment amount determined in accordance with Section 5.6 shall be further modified under the following circumstances:

5.7.1 Add, upon Substantial Completion of the Work, a sum sufficient to increase the total payments to ninety-four percent (94%) of the Contract Sum (less retainage), less amounts the School District shall determine for incomplete Work and unsettled claims and less other amounts specified in the Contract Documents; and

5.7.2 Add, if final completion of the Work is thereafter materially delayed through no fault of the Contractor, any additional amounts payable in accordance with the General Conditions.

5.8 Except with the School District's prior approval, the Contractor shall not make advance payments to suppliers for materials or equipment which have not been delivered and stored at the site.

5.9 After the A/E has issued a Certificate for Payment, the School District shall make payment in the manner provided in the Contract Documents. The School District will make a progress payment within *thirty (30) days* of its receipt of the A/E's Certificate for Payment.

ARTICLE 6 **FINAL PAYMENT**

6.1 The School District will make final payment, constituting the entire unpaid balance of the Contract Sum except statutory retainage, to the Contractor when the Work has achieved Final Completion, the Agreement has been fully performed, and the School District's Board of Directors has accepted the Work. The retainage shall be paid pursuant to RCW 60.28 and the Contract Documents.

ARTICLE 7 **MISCELLANEOUS PROVISIONS**

7.1 Where reference is made in this Agreement to a provision of the General Conditions or another Contract Document, the reference refers to that provision as amended or supplemented by other provisions of the Contract Documents.

7.2 Payments due and unpaid under the Contract Documents shall bear interest as specified by RCW 39.76, not to exceed the Bank of America prime rate plus 2%.

7.3 The insurance required by the General Conditions shall be written on an occurrence basis, for not less than the following (or greater if required by law):

- .1. Worker's Compensation
 - (a) State: Statutory
 - (b) Employer's Liability: \$500,000

- .2. Comprehensive General Liability (including Premises-Operations; Independent Contractor's Protective; Products and Completed Operations; Broad-Form Property Damage):
 - (a) Bodily Injury; Property Damage; Combined Single Limit: \$500,000 Each Occurrence
 - (b) Products and Completed Operations to be maintained for two years after final payment.
 - (c) Property Damage Liability Insurance shall provide X, C and U coverages.
- .3. Blanket Contractual Liability:
 - (a) Bodily Injury; Property Damage; Combined Single Limit: \$500,000 Each Occurrence
- .4. Personal Injury, with Employment Exclusion Deleted: \$500,000 Each Occurrence
- .5. Comprehensive Automobile Liability:
 - (a) Bodily Injury; Property Damage; Combined Single Limit: \$500,000 Each Occurrence
- .6. True umbrella coverage, which provides excess limits over the primary layer and broader scope, in an amount not less than \$1,000,000.

ARTICLE 8

PERMITS AND FEES

- 8.1** The School District shall pay and prepare documents for the following permits: general building; and _____ . The Contractor shall secure the permits.
- 8.2** The Contractor shall prepare documents, make application, and secure, but the School District shall pay for, the following permits: _____. Payment for permits shall be made by School District (through purchase order) or reimbursed by School District for actual cost. No mark-up shall be allowed on the costs of these permits.
- 8.3** The Contractor shall secure and pay for, as a part of the Contract Sum, all other permits required for the execution of the Work.
- 8.4** The School District shall secure and pay for approvals, easements, assessments and charges required for the use or occupancy of permanent structures or permanent changes in existing facilities.

ARTICLE 9

ENUMERATION OF THE CONTRACT DOCUMENTS

- 9.1** The Contract Documents are enumerated as follows, except for modifications issued after execution of this Agreement:
- 9.1.1** This executed Agreement between the Woodland School District and Contractor, including the attached General Conditions.
- 9.1.2** Any Supplementary and other Conditions of the Agreement.
- 9.1.3** The Specifications as follows:
- | <u>Section</u> | <u>Pages</u> |
|--------------------------|---------------------|
| See Exhibit A – Attached | |
- 9.1.4** The Drawings as follows:
- | <u>Number</u> | <u>Title</u> | <u>Date</u> |
|--------------------------|---------------------|--------------------|
| See Exhibit B – Attached | | |
- 9.1.5** The Addenda (if any) as follows:
- | <u>Number</u> | <u>Date</u> | <u>Pages</u> |
|----------------------|--------------------|---------------------|
| | | |
- 9.1.6** Any other documents forming part of the Contract Documents and listed below:

Department of Labor and Industries Prevailing Wage Rates.

This Agreement entered into as of the day and year first written above.

SCHOOL DISTRICT

Woodland School District No. 404

CONTRACTOR

By: _____

By: _____

GENERAL CONDITIONS

ARTICLE 10 **THE CONTRACT DOCUMENTS**

10.1 The Contract Documents consist of the Agreement between Woodland School District No. 404 and Contractor, Conditions of the Contract including these General Conditions and other Conditions of the Contract specified in the Project manual, Drawings, Specifications, addenda issued prior to the execution of this Agreement, other documents listed in this Agreement and Modifications issued after execution of this Agreement. The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary, and what is required by one is as binding as if required by all. Performance by the Contractor is required to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the intended results.

10.2 The Contract Documents shall not be construed to create a contractual relationship of any kind between the School District and a Subcontractor of any tier, between the A/E and Contractor, or between any persons or entities other than the School District and Contractor.

10.3 The Contractor's execution of the Agreement is a representation and acknowledgement that the Contractor has visited the site and become familiar with the local conditions under which the Work is to be performed, that the Contract Sum is reasonable compensation for all the Work, and that the Contract Time is adequate for the performance of the Work. The Contractor's execution of the Agreement is a further representation and acknowledgement that the Contractor has carefully checked and verified all pertinent figures and that it has carefully examined the Contract Documents and the Project site, including any existing structures, and that it has satisfied itself as to the nature, location, character, quality and quantity of the Work, the labor, materials, equipment, goods, supplies, work, services and other items to be furnished, and all other requirements of the Contract Documents, as well as the surface conditions and other matters that may be encountered at the Project site or affect performance of the Work or the cost or difficulty thereof. Such surface conditions and other matters include, but are not limited to, those affecting: transportation, access, disposal, handling and storage of materials, equipment and other items; availability and quality of labor, water, electric power and utilities; availability and condition of roads; normal climatic conditions and seasons; physical conditions at the Project site and the surrounding locality; topography and ground surface conditions; and equipment and facilities needed preliminary to and at all times during the performance of the Work. THE FAILURE OF THE CONTRACTOR FULLY TO ACQUAINT ITSELF WITH ANY FORESEEABLE

CONDITION OR MATTER SHALL NOT IN ANY WAY RELIEVE IT FROM THE RESPONSIBILITY FOR PERFORMING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND WITHIN THE CONTRACT TIME AND THE CONTRACT SUM.

10.4 The term "Work" means the construction and services required by the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment and services provided or to be provided by the Contractor to fulfill the Contractor's obligations. The Work may constitute the whole or a part of the Project.

10.5 If, during the performance of the Work, the Contractor finds a conflict, error or discrepancy in the Contract Documents, the Contractor shall report it to the A/E and the School District in writing at once. The Contractor shall not proceed with the affected Work until it receives a written interpretation or clarification from the A/E.

10.6 Any investigations of subsurface conditions have been made for design purposes. The results of these investigations are bound into or referred to in the Project Manual for the convenience of the Bidders and the contractors but are not a part of the Contract Documents. The Contractor may rely upon the accuracy of the data contained in results of the investigation, but not upon interpretations or opinions contained therein, or for the completeness thereof for the Contractor's purposes. There is no guarantee, express or implied, that the conditions indicated are representative of those conditions existing throughout the site or that unforeseen developments may not occur.

10.7 The term "A/E" means the entity listed as such on the first page of this Agreement, if any. The A/E may be an architect, engineering or similar company, or consultant, and is not necessarily a licensed architect or engineer. If "None" or "N/A" is listed for the A/E, then the School District or its designated representative will perform all of the functions of the A/E described herein.

ARTICLE 11 **THE SCHOOL DISTRICT**

11.1 If the Contractor fails to correct Work which is not in accordance with the requirements of the Contract Documents or fails to carry out the Work in accordance with the Contract Documents, the School District, by a written order, may order the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the School District to stop the Work shall not give rise to a duty on the part of the School District to exercise this right for the benefit of the Contractor or any other person or entity.

11.2 Neither any representative of the School District nor the A/E is authorized to revoke, alter, enlarge, relax or release

any requirement of the Contract Documents, nor to approve or accept any portion of the Work whether or not executed in accordance with, nor to issue instructions contrary to the Contract Documents. Changes in the Work, Contract Sum, or Contract Time may be executed only as provided in Article 16 of these General Conditions.

11.3 The School District shall pay for the permits and plan review fees listed as its responsibility in Article 8. The Contractor shall secure all such permits, and secure and pay for all other necessary permits, approvals, easements, assessments and charges required for the construction, use or occupancy of permanent structures or permanent changes in existing facilities.

11.4 The School District or the A/E may call, schedule and conduct job meetings, which the Contractor and representatives of its Subcontractors shall attend, to discuss such matters as procedures, progress, problems and scheduling.

11.5 The School District may occupy the site during the course of the Work.

ARTICLE 12 **THE CONTRACTOR**

12.1 The Contractor shall perform, supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences, personnel and procedures, for safety, and for coordinating all portions of the Work under the Agreement, unless the Contract Documents specifically provide other instructions concerning these matters. The Contractor shall be and operate as an independent contractor in the performance of the Work and shall have complete control over and responsibility for all personnel performing the Work. The Contractor is not authorized to enter into any agreements or undertakings for or on behalf of the School District or to act as or be an agent or employee of the School District.

12.2 Unless otherwise specifically provided in the Contract Documents, the Contractor shall provide and pay for all labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, disposal, and other facilities and services necessary for the proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

12.3 Materials. With the exception of bulk coatings, all material shall be delivered to the Site in original containers as packaged by the manufacturer with the label intact. Upon request, the Contractor shall provide a certificate of compliance for bulk materials. The Contractor warrants and guarantees that title to Work, materials and equipment covered

by an Application for Payment, whether incorporated in the Project or not, will pass to the School District no later than the time of payment free and clear of liens (except that title to any demolition removed from the site shall not pass to the School District).

12.4 Workers. The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Work. The Contractor shall not permit employment of unfit persons or persons not skilled in tasks assigned to them. The Contractor shall be responsible to the School District for the acts and omissions of the Contractor's employees, Subcontractors of any tier and their agents and employees, and other persons performing portions of the Work under a contract with the Contractor. At no change to the Contract Sum or Contract Time, the School District may provide written notice requiring the Contractor to remove from the Work any employee or other person carrying out the Work that the School District considers objectionable. If the Work is being performed at a site in active school use or where there is a likelihood of contact with children, a person shall be unfit and removed from the Work if he or she has pled guilty to or has been convicted of any felony crime involving the physical injury or death of a child (RCW 9A.32 or RCW 9A.36 but not RCW 46.61--motor vehicle violation), the physical neglect of a child (RCW 9A.42), sexual offenses against a minor (RCW 9A.44), sexual exploitation of a child (RCW 9A.68A), the sale or purchase of a minor child (RCW 9A.64.030), promoting prostitution of a child (RCW 9A.88), or violation of similar laws of another jurisdiction. Failure to comply with this section shall be grounds for the immediate termination of this Agreement for cause.

12.5 Warranty. The Contractor warrants that materials and equipment furnished under the Agreement will be of good quality and new unless otherwise required or explicitly permitted by the Contract Documents, that the Work will be performed in a skillful and workmanlike manner, free from defects not inherent in the quality required or explicitly permitted, and that the Work will conform with the requirements of the Contract Documents. Work not conforming to these requirements, including substitutions not properly approved and authorized, shall be considered defective. The Contractor's warranty excludes remedy for damage or defect caused by abuse, modifications not executed by the Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear under normal usage. Upon request, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment. Materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with the Contract Documents. Warranties shall be required as provided by the Contract Documents, and the School District's receipt of a warranty inconsistent with the terms of the Contract documents shall not constitute acceptance of those terms. The Contractor is not relieved of

its general warranty obligations by the specification of a particular product or procedure in the Contract Documents. Warranties in the Contract Documents shall survive completion, acceptance and final payment.

12.6 Taxes and Fees. The School District shall pay to the Contractor local and Washington State sales taxes on progress payments through the Contractor as required to be paid in accordance with the laws and regulations of the place of the Project which are applicable during the performance of the Work. The Contractor shall pay for all other types of taxes and fees for the Work or portions thereof provided by or through the Contractor, including but not limited to consumer, use, B&O, income, or other taxes that are legally enacted at the time bids are received whether or not yet effective. The Contractor shall secure and pay for permits and governmental fees, licenses and inspections necessary for the proper execution and completion of the Work except for permit fees paid by the School District per Article 8.

12.7 Legal Compliance. The Contractor shall comply with and give notices required by laws, ordinances, rules, regulations, and lawful orders of public authorities bearing on performance of the Work. The Contractor shall promptly notify the School District and the A/E in writing if the Contractor observes the Drawings and/or Specifications to be at variance with them.

12.8 Submittals. The Contractor shall review, approve and submit to the School District and A/E with reasonable promptness: Shop Drawings, Product Data, Samples and similar submittals required by the Contract Documents. The Work shall be in accordance with approved submittals.

12.9 Clean-Up. The Contractor shall keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by operations under the Agreement. Prior to Final Completion of the Work or at the School District's request, the Contractor shall remove from and about the Project waste materials, rubbish, the Contractor's tools, construction equipment, machinery and surplus materials. If the Contractor fails to do so, the School District may do so and charge to the Contractor all costs incurred in removing and disposing of such materials.

12.10 Access. The Contractor shall provide the School District and A/E, and any consultants of the School District and A/E, access to the Work in preparation and progress wherever located.

12.11 Royalties and Patents. The Contractor shall pay all royalties and license fees, shall defend suits or claims for infringement of patent rights, regardless of whether the Contract Documents specify a design, process, material, equipment, product or process, and shall hold the School District and the A/E harmless from claims, damages, losses

and expenses, direct and indirect, or consequential, including but not limited to costs and attorneys' fees incurred on such claims and in proving the right to indemnification.

12.12 Indemnification. Subject to the following conditions and to the fullest extent permitted by law, the Contractor shall defend, indemnify, and hold harmless the School District, the A/E and their respective agents, employees, consultants, successors and assigns ("Indemnified Parties") from and against all claims, damages, losses and expenses, direct and indirect, or consequential, including but not limited to costs and attorneys' fees incurred on such claims and in proving the right to indemnification, arising out of or resulting from performance of the Work, any act or omission of the Contractor, its agents, any of its Subcontractors of any tier, and anyone directly or indirectly employed by the Contractor or Subcontractors of any tier ("Indemnitor").

12.12.1 The Contractor will fully defend, indemnify, and hold harmless the Indemnified Parties for the sole negligence of the Indemnitor.

12.12.2 The Contractor will defend, indemnify, and hold harmless the Indemnified Parties for the concurrent negligence of the Indemnitor to the extent of the Indemnitor's negligence. The Contractor agrees to being added by the School District as a party to any mediation, arbitration or litigation with third parties in which the School District alleges indemnification or contribution from the Contractor, any of its subcontractors of any tier, any one directly or indirectly employed by any of them, or any one for whose acts any of them may be liable. The Contractor agrees that all of its subcontractors of any tier will, in the subcontracts, similarly stipulate. To the extent a court or arbitrator strikes any portion of this indemnification provision for any reason, all remaining provisions shall retain their vitality and effect.

12.13 Prevailing Wages.

12.13.1 Pursuant to RCW 39.12, no worker, laborer, or mechanic employed in the performance of any part of this Agreement shall be paid less than the "prevailing rate of wage" (in effect as of the date that bids are due) as determined by the Industrial Statistician of the Department of Labor and Industries, ESAC Division, PO Box 44540, Olympia WA 98504-4540, Telephone (360) 902-5335. The schedule of the prevailing wage rates for the locality or localities where this Work will be performed is attached and made a part of this Agreement by reference as though fully set forth herein; if not attached, then the applicable prevailing wages are determined as of the Bid Date for the county in which the Project is located and are available at <http://www.lni.wa.gov/TradesLicensing/PrevWage/WageRates/default.asp>. A copy is available for viewing at the School District's office, and a hard copy will be mailed upon request. To the extent that

there is any discrepancy between the attached or provided schedule of prevailing wage rates and the published rates as are applicable under WAC 296-127-011, or if no schedule is attached, then the applicable published rates shall apply at no increase to the Contract Sum. The Contractor shall provide the respective Subcontractors with a schedule of the applicable prevailing wage rates. The Industrial Statistician will answer questions relating to prevailing wage data upon request.

12.13.2 Pursuant to RCW 39.12.060, in case any dispute arises as to what are the prevailing rates of wages for work of a similar nature, and such dispute cannot be adjusted by the parties in interest, including labor and management representatives, the matter shall be referred for arbitration to the director of the Department of Labor and Industries, whose decision therein shall be final and conclusive and binding on all parties involved in the dispute.

12.13.3 The Contractor shall defend, indemnify and hold the School District harmless, including attorneys' fees, from any violation or alleged violation of RCW 39.12 ("Prevailing Wages on Public Works") and RCW 51 ("Industrial Insurance"), including without limitation RCW 51.12.050, by the Contractor, any Subcontractor of any tier, or any person performing Work on behalf of the Contractor or any Subcontractor of any tier.

12.14 Hours of Labor. The Contractor shall comply with all applicable provisions of RCW 49.28.

12.15 Hazardous Chemicals. Pursuant to RCW 49.70 and WAC 296-62-054 et seq., the Contractor shall provide the School District copies of and have available at the Project Site a workplace survey or material safety data sheets for all "hazardous" chemicals under the control or use of Contractor or any Subcontractor at the Project Site. The Contractor shall not be entitled to any additional Contract Time or compensation arising from its failure or alleged failure to comply with this statute or regulation.

12.16 Contract Schedule. The Contractor shall be responsible for planning, scheduling, managing, and reporting the progress of the Work in accordance with all of the specific methods and submittals described in the Contract Documents.

12.16.1 The Contractor shall use the Contract Schedule to plan, coordinate, and prosecute the Work in an orderly and expeditious manner. The Contract Schedule will be used by the School District and the A/E to evaluate progress and status at the various stages of the Project, allocate funds per the cash flow information provided, determine the impact of any changes to the Contract, and establish the basis for progress payments.

12.16.2 The Schedule will be reviewed by the A/E and School District. Such review of the Contractor's schedule shall not constitute an approval or acceptance of the Contract's construction means, methods, or sequencing, or its ability to complete the Work in a timely manner.

12.16.3 Within *seven (7) days* after execution of this Agreement, the Contractor shall submit a preliminary schedule of the Work to the School District. Failure to do so shall constitute a material breach of the Contract and a material breach of the conditions of the bid bond. Within *thirty (30) days* after execution of this Agreement, the Contractor, after consultations with its Subcontractors, shall submit a Contract Schedule to the School District. Payment to the Contractor is not due or owing until a Contract Schedule in a form satisfactory to the School District has been submitted.

12.16.4 Within *seven (7) days* after receipt of the Schedule, the School District will comment to the Contractor concerning any observed deviations from the requirements of the Contract Documents. Within *five (5) days*, the Contractor shall adjust the Schedule to fairly incorporate the School District's comments.

12.16.5 Upon receipt and acknowledgment of the revised Schedule by the School District, it shall become the Contract Schedule. Payment to the Contractor may be withheld until the Contract Schedule, satisfactory in form and substance to the School District and A/E, has been received.

12.16.6 The Schedule shall be revised at appropriate intervals as required by the conditions of the Work or by the School District or A/E. It shall be related to the entire Project to the extent required by the Agreement, shall provide for expeditious and practicable execution of the Work, and shall be utilized and conformed to by the Contractor.

12.16.7 The Contractor shall participate in progress meetings held at least once every week with the A/E, the School District, Subcontractors and other appropriate consultants. The Contractor shall fully brief the A/E and the School District on the progress of the Work.

12.17 Communication. The Contractor shall provide the School District with a direct copy of all written communications to the A/E or its consultants, including all notices, Claims, and potential changes in the Contract Sum or Time, except for Shop Drawings and submittal data.

12.18 Daily Work Logs. The Contractor shall submit a daily work log, in a form acceptable to the School District, which shall include at a minimum the following: date, weather, number and type of workers, equipment, deliveries, incidents, work in progress, any work on changed conditions or changed work (noting the time for each worker on such items), and similar information. The daily work log shall be

submitted daily to the School District on the morning of the work day following the work day represented in each log. Because of the importance of timely providing such information to the School District to track and confirm any changes in the Contract Sum or Contract Time, any failure of the Contractor to timely submit its log shall act as an affirmative waiver of any claim by the Contractor for extra cost or time for the days for which the log was not timely provided. Payment for any Changes to the Work shall not exceed the labor and equipment indicated on the daily work logs.

12.19 School District Training. The Contractor shall train the School District's personnel on how to operate and maintain all building systems installed by the Contractor.

ARTICLE 13

ADMINISTRATION OF THE CONTRACT

13.1 The A/E will provide administration of the Agreement.

13.2 The duties and responsibilities and the limitations of authority of A/E are set forth in the Contract Documents and shall not be extended without written consent of the School District and the A/E. The A/E is not an agent of the School District, and is not authorized to speak on behalf of or bind the School District. The School District must approve in writing all changes in the Contract Sum or Time and all Change Orders, Construction Change Directives, and payments to the Contractor.

13.3 The A/E will make visits to the site at intervals appropriate to the stage of the Work to become generally familiar with the progress and quality of the completed Work and to determine in general if the Work is being performed in a manner indicating that the Work, when completed, will be in accordance with the Contract Documents. However, the A/E will not be required to make exhaustive or continuous on-site inspections to check quality or quantity of the Work. Approval of the Work by the A/E does not relieve the Contractor from the requirements of the Contract Documents.

13.4 The A/E and School District will not have control over or charge of and will not be responsible for means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, since these are solely the Contractor's responsibility. The School District and the A/E will not be responsible for the Contractor's failure to carry out the Work in accordance with the Contract Documents.

13.5 The A/E will issue such written clarifications or interpretations as to matters of design interpretation (in the form of Drawings or otherwise) as the A/E may determine necessary, which shall be consistent with or reasonably inferable from the overall intent of the Contract Documents.

13.6 The A/E may authorize minor variations in the Work from the requirements of the Contract Documents that do not involve an adjustment in the Contract Sum or the Contract Time and are consistent with the overall intent of the Contract Documents. These will be accomplished by a Minor Change in the Work instrument and will be binding on the Contractor, who shall perform the Work involved promptly. Minor changes in the Work shall not result in a change in the Contract Sum or Time.

13.7 If Contractor believes that a written clarification or interpretation, a Construction Change Directive or any interpretation justifies an increase in the Contract Sum or an extension of the Contract Time, and the parties are unable to agree as to the amount or extent thereof, the Contractor may make a Claim therefor as provided in Article 13, as soon as possible and no later than *seven (7) days* after receipt of Construction Change Directive.

13.8 The A/E will have authority to disapprove or reject Work which the A/E believes does not conform to the Contract Documents or is otherwise defective or substandard. The A/E will also have authority to require special inspection or testing of the Work, whether or not the Work is fabricated, installed or completed.

13.9 Neither the A/E's authority to act under this Article 13 nor elsewhere in the Contract Documents, nor any decision made by A/E in good faith either to exercise or not exercise such authority shall give rise to any duty or responsibility of the A/E or the School District to the Contractor, any Subcontractor of any tier, or any other person or organization performing any of the Work, or to any surety for any of them.

13.10 Dispute Resolution. All claims, disputes and other matters in question of the Contractor, direct or indirect, arising out of, or relating to, the Contract Documents or the breach thereof ("Claims"), except Claims which have been waived under the terms of the Contract Documents, shall be decided exclusively by the following dispute resolution procedure. The Contractor shall diligently carry on the Work and maintain the progress schedule during the dispute resolution procedure, including any litigation proceedings, unless the parties mutually agree in writing otherwise.

13.10.1 Notice of Claim. The Contractor shall submit notice of all Claims to the School District in writing within *seven (7) days* of the event giving rise to them and shall include a clear description of the event and its probable effect. Failure to comply with these requirements shall constitute waiver of the Claim.

13.10.2 Claim Submission. Within *fourteen (14) days* of the event giving rise to the Claim, the Contractor shall

provide the School District with a written Claim, including a clear description of the Claim, all changes in cost and in time (direct, indirect, impact, consequential, and otherwise) to which the Contractor and Subcontractors of any tier are entitled, and data supporting the Claim. The claim of a Subcontractor may be brought only through the Contractor and only after the Contractor notifies the School District in writing that the Contractor has reviewed the Claim. No act, omission, or knowledge, actual or constructive, of the School District shall in any way be deemed to be a waiver of the requirement for a timely written Claim unless the School District provides the Contractor with an explicit, unequivocal written waiver. Proper notice of a Claim, as provided in Section 13.10.1 is a condition precedent to submission of a Claim under this Section 13.10.2.

13.10.3 The Contractor expressly acknowledges and agrees that the Contractor's failure timely to submit required notices or timely submit Claims has a substantial impact upon and prejudices the School District, including but not limited to, the inability to investigate or verify the Claim, mitigate damages, choose alternative options, adjust the budget, delete or modify the impacted Work, and/or monitor time, cost and quantities. For these and other reasons, the parties stipulate that the School District is prejudiced by the Contractor's failure timely to submit notices or Claims as required by the Contract Documents. The fact that the School District and the Contractor may continue to discuss or negotiate a Claim that has or may have been defective or untimely under the Contract shall not constitute waiver of the provisions of the Contract Documents unless the School District and Contractor sign an explicit, unequivocal written waiver approved by the School District's board of directors.

13.10.4 Informal Resolution. The School District will make a determination of the Claim submitted. If the Contractor disagrees with the determination and wishes to pursue the Claim further, the Contractor must, within *fourteen (14) days* of receipt of the determination, provide the School District with a written request that a representative of the Contractor, the A/E, and the School District meet, confer, and attempt to resolve the claim. This meeting will then take place at mutually convenient time and place within *fourteen (14) days*.

13.10.5 Mediation. The Contractor may not bring any litigation against School District unless the Claim is first subject to non-binding mediation before a single mediator under the Construction Industry Mediation Procedures of the American Arbitration Association. This requirement cannot be waived except by an explicit written waiver signed by the School District and the Contractor. To initiate the mediation process, the Contractor shall submit a written mediation request to the School District within *thirty (30) days* of the meeting undertaken in Subsection 13.10.3. If the parties are unable to agree to a mediator within *thirty (30) days* after the

School District's receipt of the written request for mediation, either party may submit a request for mediation to the AAA. An officer of the Contractor and the Superintendent or designee of the School District, both having full authority to settle the Claim, must attend the mediation session. To the extent there are other parties in interest, such as Subcontractors, their representatives, with full authority to settle the Claim, shall also attend the mediation session. Unless the School District and Contractor mutually agree in writing otherwise, all unresolved Claims in the Project shall be considered at a single mediation session, which shall occur prior to Final Acceptance by School District. The Contractor is responsible for initiating the mediation process.

13.10.6 Litigation. The Contractor may not bring any litigation on Claims unless such Claims have been properly raised and considered in the dispute resolution procedures of this Section 13.10. All unresolved Claims of the Contractor shall be waived and released unless the Contractor has strictly complied with the time limits of the Contract Documents, and litigation is served and filed within the earlier of (a) *120 days* after the Date of Substantial Completion as designated in writing by the School District or (b) *60 days* after Final Acceptance. This requirement cannot be waived except by an explicit written waiver signed by School District and the Contractor. The pendency of mediation shall toll these filing requirements.

13.11 Claims for Concealed and Unknown Conditions. Provided a timely, proper Claim has been made under Section 13.10, the Contract Sum and/or Contract Time will be equitably adjusted by Change Order if concealed and unknown conditions are encountered in the performance of the Work below the surface of the ground or concealed and unknown conditions are encountered in an existing structure, and the conditions are at variance with the conditions indicated by the Contract Documents or are of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents. No increase to the Contract Sum or Time shall be allowed if Contractor knew or should have known of the concealed conditions prior to its executing the Agreement.

13.12 Books and Records. The Contractor shall maintain books, ledgers, records, documents, estimates, correspondence, logs, electronic data and other evidence pertaining to the costs incurred by the Contractor in connection with or related to the Agreement ("records") to such extent and in such detail as will properly reflect and fully support all costs, charges and other amounts of whatever nature for which reimbursement or payment is or may be claimed under the Contract. The Contractor shall preserve these records for a period of three (3) years following the date of final payment under the Agreement and for such longer period as may be required by any other provision of the

Agreement. The Contractor agrees to make available at the office of the Contractor at all reasonable times, but no later than *seven (7) days* following the School District's request, all records for inspection, audit and reproduction (including electronic reproduction) by the School District or its representatives. These requirements shall be applicable to each Subcontractor of any tier and be included in each Subcontract and purchase order issued with respect to the Work. The Contractor agrees, on behalf of itself and its representative and Subcontractors of any tier, that any rights under RCW 42.56 will commence at Final Acceptance, and that the invocation of such rights at any time by the Contractor or its representatives or any Subcontractor of any tier and their representatives shall initiate an equivalent right to disclosure from the Contractor and Subcontractors of any tier for the benefit of the School District.

13.13 Claims for Consequential Damages. The Contractor and School District waive Claims against each other for consequential damages arising out of or relating to this Contract. This mutual waiver includes without limitation:

- .1** damages incurred by the School District for rental expenses, for losses of use, income, profit, financing, business and reputation, and for loss of management or employee productivity or of the services of such persons; and
- .2** damages incurred by the Contractor for principal and home office overhead and expenses including without limitation the compensation of personnel stationed there, for losses of financing, business and reputation, for losses on other projects, for loss of profit, and for interest or financing costs.

This mutual waiver is applicable to all consequential damages of any cause, including without limitation due to either party's termination in accordance with Article 20. Nothing contained in this Section 13.13 shall be deemed to preclude an award of liquidated damages, when applicable, in accordance with the requirements of the Contract Documents.

ARTICLE 14 **SUBCONTRACTORS**

14.1 A "Subcontractor" is a person or entity that has a direct contract with the Contractor to perform a portion of the Work at the site or supply material or equipment. A "Subcontractor of any tier" includes Subcontractors as well as all direct and lower level sub-subcontractors.

14.2 Nothing in the Contract Documents shall create any obligation on the part of School District or A/E to pay or to see to the payment of any moneys due any Subcontractor of any tier or other person or entity, except as may otherwise be required by laws and regulations.

14.3 Within *seven (7) days* after issuance of the notice of award of the Agreement, the Contractor shall furnish in writing to the School District and A/E the names of the Subcontractors for each portion of the Work. The Contractor shall not contract with any Subcontractor to whom the School District has made timely objection or different from the one listed in conjunction with the bid. Contracts between the Contractor and Subcontractors shall (1) require each Subcontractor to be bound to the Contractor by the terms of the Contract Documents to the extent of the Work to be performed by the Subcontractor and to assume toward the Contractor all the obligations and responsibilities which the Contractor, by the Contract Documents, assumes toward the School District and A/E, and (2) allow to the Subcontractor the benefit of all rights, remedies and redress afforded to the Contractor by these Contract Documents.

14.4 The Contractor shall promptly pay (and secure the discharge of any liens asserted by) all persons properly furnishing labor, equipment, materials or other items in connection with the performance of the Work (including, but not limited to, any Subcontractors). The Contractor shall furnish to the School District such releases of claims and other documents as the School District may request from time to time to evidence such payment (and discharge). The School District may, at its option, withhold payment, in whole or in part, to the Contractor until such documents are so furnished. The Contractor shall defend, indemnify and hold harmless the School District from any liens, including all costs, expenses and attorneys' fees.

ARTICLE 15 **CONSTRUCTION BY SCHOOL DISTRICT OR BY SEPARATE CONTRACTORS**

15.1 The School District reserves the right to perform construction or operations related to the Project with the School District's own forces, and to award separate contracts in connection with other portions of the Project or other construction or operations on the site under contractual conditions identical or substantially similar to those of the Contract Documents. If the Contractor contends that delay or additional cost is involved because of such action by the School District, the Contractor shall make such Claim as provided elsewhere in the Contract Documents.

15.2 The Contractor shall afford the School District and separate contractors reasonable opportunity for the introduction and storage of their materials and equipment and performance of their activities, and shall connect and coordinate the Contractor's construction and operations as required by the Contract Documents.

ARTICLE 16

CHANGES IN THE WORK

16.1 The School District, without invalidating the Agreement, may order changes in the Work consisting of additions, deletions or modifications ("Changes"). The Contract Sum and Contract Time will be adjusted accordingly. Changes in the Work shall be authorized only by written Change Order or by written Construction Change Directive, and the Contract Sum and Contract Time shall be changed only by Change Order. Any Change Order shall constitute a waiver of Claims by the Contractor arising out of the Work to be performed or deleted pursuant to the Change. If the Contractor adds a reservation of rights to a Change Order or a Construction Change Directive, it must be initialized by the School District to be effective. If not initialed, the reservation of rights is without effect. All change orders, construction change directives, and change order proposals shall be submitted on the forms included within the Contract Documents, unless no forms are included, in which case the Contractor shall use the current edition of corresponding AIA forms.

For any change in the Work, whether initiated by a construction change directive or a change order proposal, the Contractor must submit its proposed price and any proposed extension of the Contract Time to the School District within fourteen (14) days of the date of the construction change directive or change order proposal. If the Contractor fails to submit a proposed price and time within this time period, the School District shall establish what it believes to be the fair price of the changed work, and any additional Contract Time, and this price and time submitted by the School District shall be final and binding upon the parties, as if they had signed a Change Order in this amount, without recourse to submitting any claims or litigation. Payment for any Changes to the Work shall not exceed the labor and equipment indicated on the daily work logs.

16.1.1 Minor Changes in the Work. A Minor Change in the Work is a written instrument signed by the A/E approving a minor variation in the Work from the requirements of the Contract Documents that does not involve an adjustment in the Contract Sum or the Contract Time and is consistent with the overall intent of the Contract Documents. The Contractor shall promptly proceed with the Minor Change in the Work.

16.1.2 Change Orders. A Change Order is a written instrument signed by the School District and Contractor stating their agreement upon all of the following:

- .1 a change in the Work;
- .2 the amount of the adjustment in the Contract Sum, if any; and
- .3 the extent of the adjustment in the Contract Time, if any.

16.1.3 Construction Change Directives. A Construction Change Directive is a written order prepared by the A/E and signed by the School District and A/E, directing a change in the Work and stating a proposed basis for adjustment, if any, in the Contract Sum or Contract Time, or both.

.1 A Construction Change Directive shall be used in the absence of total agreement on the terms of a Change Order.

.2 If the Construction Change Directive provides for an adjustment to the Contract Sum, the adjustment shall be based on one of the following methods:

- mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;
- unit prices stated in the Contract Documents or subsequently agreed upon;
- cost to be determined in a manner agreed upon by the parties and a mutually acceptable fixed or percentage fee.

.3 The Contractor shall promptly proceed with the change in the Work described in the Construction Change Directive. As soon as possible, and no later than within *seven (7) days* of receipt, the Contractor shall advise the A/E in writing of the Contractor's agreement or disagreement with the cost or the method, if any, provided in the Construction Change Directive for determining the proposed adjustment in the Contract Sum or Contract Time.

16.2 Pricing. If the parties cannot agree on the cost or credit to the School District from a Change in the Work, the Contractor shall keep and present, in such form as the School District may prescribe, an itemized accounting together with supporting data. The total cost of any Claim or an increase or decrease in the Contract Sum or any Change in the Work shall be limited to the reasonable value of the following:

16.2.1 Direct labor costs: Current Washington Department of Labor and Industries prevailing hourly wage for the laborers, apprentices, journeymen, and foremen performing and/or directly supervising the Changed Work on the site. The premium portion of overtime wages is not included unless pre-approved in writing by the School District. The hourly cost shall be based solely upon basic wages and mandatory fringe benefits and workers' insurances. Costs paid or incurred by the Contractor for vacations, per diem, travel, bonuses, stock options, or discretionary payments to employees are not separately reimbursable. Payroll costs shall be based upon production rates no lower than those defined in R. S. Means Company Man-hour Standards for Building Construction. The Contractor shall submit time cards to support the asserted labor costs.

16.2.2 Direct material costs: An itemization of the net cost on a unit basis of materials and equipment incorporated in and necessary to perform the Changed Work, including discounts, rebates, costs of transportation, required third-party storage, and suppliers' required field services, when applicable, all as evidenced by receipts.

16.2.3 Construction equipment usage costs: An itemization of the actual length of time construction equipment appropriate for the Work will be used solely on the Change in the Work at the site times the applicable rental cost as established by the lower of the prevailing rate published in The Rental Rate Blue Book by Data Quest, San Jose, California, or the actual rate paid as evidenced by rental receipts. For self-owned equipment, the rate shall be the lower of the prevailing rate published in The Rental Rate Blue Book and the available rate for equipment suppliers within a thirty-mile radius. Actual, reasonable mobilization costs are permitted only if the equipment is brought to the Site solely for the change in the Work. Contractor shall provide copies of the applicable Blue Book pages evidencing the appropriate rate.

If more than one rate is applicable, the lowest rate will be utilized. The rates in effect at the time of the performance of the Change work are the maximum rates allowable for equipment of modern design and in good working condition and include full compensation for furnishing all fuel, oil, lubrication, repairs, maintenance, and insurance. Equipment not of modern design and/or not in good working condition will have lower rates. Hourly, weekly, and/or monthly rates, as appropriate, will be applied to yield the lowest total cost. The rate for equipment necessarily standing by for future use on the Work shall be fifty percent (50%) of the rate established above. The rental cost of any individual piece of equipment charged for changed Work shall not exceed the reasonable value of purchasing such equipment.

If equipment is required for which a rental rate is not established by The Rental Rate Blue Book, an agreed rental rate shall be established for that equipment, which rate and use must be approved by the A/E or School District prior to performing the work.

16.2.4 Subcontractor costs: Payments the Contractor makes to Subcontractors for Changed Work performed by Subcontractors of any tier. The Subcontractor's cost of the Work shall be determined in the same manner as prescribed in this Section 16.2.

16.2.5 Bond and Insurance costs: Cost of change in Bond or insurance premium required because of the Change in the Work. Contractor shall provide verification of costs, and the specific reason(s) for any increase, to the School District.

16.2.6 Fee: The allowance for all combined overhead, profit and other costs, including all office, home office, extended and site overhead (including project manager, project engineer, other engineers, estimator, superintendent and general foreman time), small tools and incidentals, and all delay and impact costs of any kind, shall be strictly limited to a fee, based on the following percentage of the various portions of the above Cost of the Work:

.1 The Contractor shall receive fifteen percent (15%) of the cost of any materials or work performed by the Contractor's own forces;

.2 The Contractor shall receive ten percent (10%) of the amount due directly to its Subcontractor for materials or work performed by that Subcontractor;

.3 The Contractor shall receive five percent (5%) of the amount due directly to its Subcontractor for materials or work performed by a lower-tier Subcontractor;

.4 Each Subcontractor (including lower tier subcontractor involved) shall receive fifteen percent (15%) of the cost of any materials or work performed by its own forces.

.5 Each Subcontractor of any tier shall receive eight percent (8%) of the amount due a sub-subcontractor for materials supplied or work performed by its Subcontractors of any lower tier; and

.6 When both additions and credits are involved in any one change, the adjustment in Contractor's Fee shall be computed on the basis of the net change in costs.

16.2.7 Credit Allowed. The amount of credit to be allowed by the Contractor to the School District for a deletion or change which results in a net decrease in the Contract Sum shall be the largest of (i) the reasonable value of the deletion or change, (ii) the line item value in the Schedule of Values, or (iii) the actual net cost as confirmed by the A/E.

ARTICLE 17 **TIME**

17.1 Time

17.1.1 Time limits stated in the Contract Documents are of the essence of the Agreement. By executing the Agreement, the Contractor confirms that the Contract Time is a reasonable period for performing the Work.

17.1.2 Within *ten (10) days* of issuance of the notice of intent to award the contract, the Contractor shall submit an executed contract, payment and performance bond, certificates of insurance, and all other documents required by the Contract Documents. The Contractor shall provide the

School District with a 24-hour notice prior to commencing Work.

17.2 Delays

17.2.1 If the Contractor is delayed at any time in progress of the Work by changes ordered in the Work, by unanticipated general labor disputes, fire, unusual delay in deliveries, abnormal adverse weather conditions not reasonably anticipatable, unavoidable casualties or any causes beyond the Contractor's control, then the Contract Time shall be extended by Change Order for such reasonable time as the School District may determine.

17.2.2 The Contractor (on behalf of itself and its Subcontractors of any tier) shall be entitled to damages for delay, limited to the liquidated rate of this Agreement, only where the School District's own actions or inactions were the actual, substantial cause of the delay and where the Contractor could not have reasonably avoided the delay by the exercise of due diligence.

17.2.3 The Contractor (including Subcontractors of any tier) shall not in any event be entitled to damages arising out of actual or alleged loss of efficiency; morale, fatigue, attitude, or labor rhythm; constructive acceleration; home office overhead; expectant underrun; trade stacking; reassignment of workers; concurrent operations; dilution of supervision; learning curve; beneficial or joint occupancy; logistics; ripple; season change; extended overhead; profit upon damages for delay; impact damages; or similar damages.

17.2.4 If the delay was caused by the Contractor, a Subcontractor of any tier, or anyone acting on behalf of any of them, the Contractor is not entitled to an increase in the Contract Time or in the Contract Sum.

17.3 THE TIMELY COMPLETION OF THIS PROJECT IS ESSENTIAL TO THE SCHOOL DISTRICT. The School District will incur serious and substantial damages if Substantial Completion of the Work does not occur within the Contract Time; however, it would be difficult if not impossible to determine the amount of such damages. Consequently, the Agreement includes provisions for liquidated damages. The School District's right to liquidated damages is not affected by partial completion, Substantial Completion, occupancy, or beneficial occupancy. Liquidated damages due to the School District may be apportioned between the School District and Contractor according to their relative responsibility for the delay.

ARTICLE 18 **PAYMENTS AND COMPLETION**

18.1 **Schedule of Values.** At least *fourteen (14) days* before the first Application for Payment, the Contractor shall submit to the A/E a schedule of values, allocated to various

portions of the Work, prepared in such form and supported by such data to substantiate its accuracy as the School District and A/E may require. The schedule of values shall include a line item for overhead, profit, supervision, and/or management (and the like), and the amount billed to this line item cannot exceed the overall completion percentage of the Work. This schedule, unless objected to by the School District or A/E, shall be used as a basis for reviewing the Contractor's Applications for Payment. This schedule shall not allocate more than 3% of the Contract Sum to mobilization. This schedule shall allocate at least six percent (6%) of the Contract Sum to that portion of the Work between Substantial Completion and Final Completion, to an item entitled "Final Documentation and Punchlist Completion," which will be paid as part of the final payment. This is not a statutory retainage.

18.2 **Progress Payments.** Payments shall be made as provided in this Agreement. If Progress payments are specified, they will be made monthly for Work duly approved and performed during the calendar month preceding the application according to the following procedure.

18.2.1 Draft Application. Within the first *seven (7) days* of each month, the Contractor shall submit to the School District a report on the current status of the Work as compared to the Progress Schedule and a draft itemized application for payment for Work performed during the prior calendar month on a form included within the Contract Documents, or if no such form is included, on the current edition of the AIA payment application form. This shall not constitute a payment request. The Contractor, the School District and the A/E shall meet within the next *seven (7) days* and confer regarding the current progress of the Work and the amount of payment to which the Contractor is entitled. The School District may request the Contractor to provide data substantiating the Contractor's right to payment, such as copies of requisitions or invoices from Subcontractors. The Contractor shall not be entitled to make a payment request, nor is any payment due the Contractor, until such data is furnished.

18.2.2 Payment Request. Within *five (5) days* after the Contractor and the School District have met and conferred regarding the draft application, and the Contractor has furnished all data requested, the Contractor may submit a payment request in the agreed-upon amount, in the form of an itemized Application for Payment for Work performed during the prior calendar month. Among other things, the Application shall state that prevailing wages have been paid in accordance with the prefiled statement(s) of intent to pay prevailing wages on file with the School District and that all payments due Subcontractors from School District's prior payments have been made. THE SUBMISSION OF THIS APPLICATION CONSTITUTES A CERTIFICATION THAT THE WORK IS CURRENT ON THE CRITICAL PATH OF THE PROGRESS SCHEDULE, unless otherwise

noted on the application. If the Contractor believes it is entitled to payment for Work performed during the prior calendar month in addition to the agreed-upon amount, the Contractor may, within the same five-day time period, submit to the School District a separate written payment request specifying the exact additional amount due, the category in the Schedule of Values in which the payment is due, the specific Work for which the additional amount is due, and why the additional payment is due.

18.2.3 Payments to Subcontractors. No payment request shall include amounts the Contractor does not intend to pay to a Subcontractor. If, after making a request for payment but before paying a Subcontractor for its performance covered by the payment request, the Contractor discovers that part or all of the payment otherwise due to the Subcontractor is subject to withholding from the Subcontractor for unsatisfactory performance, the Contractor may withhold the amount as allowed under the subcontract, but it shall give the Subcontractor and the School District written notice of the remedial actions that must be taken as soon as practicable after determining the cause for the withholding but before the due date for the Subcontractor payment, and pay the Subcontractor within *eight (8) working days* after the Subcontractor satisfactorily completes the remedial action identified in the notice.

18.2.4 Interest. Payments due and unpaid under the Agreement shall bear interest from the date payment is due and unpaid under the Contract Documents as specified by RCW 39.76.

18.3 Prevailing Wages. Pursuant to RCW 39.12, the Contractor will not receive any payment until the Contractor and all Subcontractors have submitted a "Statement of Intent to Pay Prevailing Wage" to the School District. The statement must have the approval of the Industrial Statistician of the Department of Labor and Industries before it is submitted to the School District. The Contractor and the respective Subcontractors shall pay all fees required by the Department of Labor and Industries, including fees for the approval of the "Statement of Intent to Pay Prevailing Wages." Approved copies of the "Statement of Intent to Pay Prevailing Wages" must be posted where workers can easily read them.

18.4 Withheld Payments. Payments may be withheld on account of (1) defective Work not remedied, (2) claims filed by third parties, (3) failure of the Contractor to make payments properly to Subcontractors or for labor, materials or equipment, (4) reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Sum, (5) damage to the School District or another contractor, (6) reasonable evidence that the Work will not be completed within the Contract Time and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay, (7) failure to carry out the Work in

accordance with the Contract Documents, or (8) liquidated damages. When the School District intends to withhold all or part of a payment for unsatisfactory performance, the School District will provide the Contractor, within *eight (8) working days* after the School District's receipt of the Application for Payment, written notification of the reasons that all or part of the payment is being withheld and what remedial actions the Contractor must take to receive the withheld amount.

18.5 Substantial Completion.

18.5.1 When the Contractor believes that the entire Work is Substantially Complete, it shall notify the School District and A/E in writing. When the School District agrees, it will issue a Certificate of Substantial Completion. Substantial Completion is the stage in the progress of the Work when the construction is sufficiently complete, in accordance with the Contract Documents, so the School District can fully utilize the Work (or the designated portion thereof) for the use for which it is intended. All Work other than incidental corrective or punchlist work and final cleaning shall have been completed. The Work is not Substantially Complete if all systems and parts affected by the Work are not usable, an occupancy permit (temporary or final) has not been issued, or if utilities affected by the Work are not connected and operating normally. The fact that the School District may use or occupy the Work or designated portion thereof does not indicate that the Work is Substantially Complete, nor does such occupation toll or change any liquidated damages due the School District.

18.5.2 Immediately before partial or complete occupancy, the School District will schedule an inspection tour of the area to be occupied. A representative of the School District, A/E and Contractor will jointly tour the area and record items still remaining to be finished and/or corrected. The Contractor shall supply and install any items missed by the inspection but required or necessary for Final Completion as a part of the Contract Sum, notwithstanding their not being recorded during the inspection tour.

18.5.3 If the Contractor fails to complete all of the punchlist items within the period of time scheduled between Substantial and Final Completion, as established in Section 3.3, then upon three (3) days written notice to Contractor the School District shall have the right (but not the obligation) to take over performance of such punchlist work and to charge the Contractor all costs thereof.

18.6 Final Payment. Pursuant to RCW 60.28, completion of the contract Work shall occur after the Contractor has notified the A/E, and the A/E concurs, that the Work has been concluded and the Contractor submits the items listed below to the School District. The School District's Board of Directors then formally accepts the Project ("Final Acceptance"). Final Payment shall not become due

until after Final Acceptance. Before Final Acceptance, the Contractor must have submitted the following to the School District:

18.6.1 an affidavit that all payrolls, bills for materials and equipment, and other indebtedness connected with the Work for which the School District or its property might in any way be responsible or encumbered, have been paid or otherwise satisfied,

18.6.2 consent of surety to final payment,

18.6.3 certificate evidencing that insurance required by the Contract Documents to remain in force after final payment is currently in effect and will not be cancelled or allowed to expire until at least *thirty (30) days* prior written notice has been given to the School District,

18.6.4 a written statement that the Contractor knows of no substantial reason why the insurance will not be renewable to cover the period required by the Contract Documents,

18.6.5 other data establishing payment or satisfaction of or protection (satisfactory to the School District) against all obligations, such as receipts, releases and waivers of liens arising out of the Agreement satisfactorily demonstrating to the School District that the claims of subcontractors, material suppliers, and laborers who have filed claims have been paid,

18.6.6 pursuant to RCW 39.12.040, an "Affidavit of Wages Paid" from the Contractor and from each Subcontractor certified by the Industrial Statistician of the Department of Labor and Industries, with the fees paid by the Contractor or Subcontractor,

18.6.7 a certified statement that the Contractor has closed all necessary permits or otherwise met the requirements of all governing jurisdictions related to this Project. This shall include, without limitation, city/county building departments, health districts and utility districts. Attach a copy of each of these closed or signed-off permits.

18.6.8 pursuant to RCW 60.28.020, certificates from the Department of Revenue and the Department of Labor and Industries,

18.6.9 pursuant to RCW 50.24, a certificate from the Department of Employment Security,

18.6.10 all warranties, guarantees, manuals, operation instructions, certificates, spare parts, maintenance stock, specified excess material, and other documents or items required by the Contract Documents,

18.6.11 certification that the materials in the Work are "lead-free" and "asbestos free," and

18.6.12 as-built drawings locating by survey the utilities and any structures abandoned in place (to the extent permitted by the Contract Documents).

18.7 If any Subcontractor of any tier refuses to furnish a release or waiver required by the School District, the School District may retain in the fund, account, or escrow funds in such amount as to defray the cost of foreclosing the liens of such claims and to pay attorneys' fees, the total of which shall be no less than 150% of the claimed amount. If any such lien remains unsatisfied after all payments are made, the Contractor shall refund to the School District all moneys that the latter may be compelled to pay in discharging such lien, including all costs and reasonable attorneys' fees.

18.8 Waivers.

18.8.1 Final Payment by School District. The making of final payment shall constitute a waiver of claims by the School District except those arising from (1) liens, claims, security interests or encumbrances arising out of the Agreement and unsettled; (2) failure of the Work to comply with the requirements of the Contract Documents; (3) work subsequently found to be substandard and/or deficient, or (4) terms of warranties required by the Contract Documents or law.

18.8.2 Final Payment to Contractor. Acceptance of final payment by the Contractor, or a Subcontractor of any tier, shall constitute a waiver of claims by that payee except those previously made in writing and identified in writing as unsettled on the final application for payment.

18.8.3 Change Orders. The execution of a Change Order shall constitute a waiver of claims by the Contractor arising out of the Work to be performed or deleted pursuant to the Change Order, except as specifically described in the Change Order. If the Contractor adds to a Change Order or any other document a reservation of rights that has not been initialed by the School District, all the amounts previously agreed shall be considered disputed and not yet payable unless the costs are re-negotiated or the reservation is withdrawn or changed in a manner satisfactory to and initialed by the School District. If the School District makes payment for a Change Order or an Application for Payment that contains a reservation of rights not initialed by the School District to indicate agreement with the reservation, and if the Contractor negotiates the check for such payment, then the reservation of rights shall be deemed waived, withdrawn, and of no effect.

18.9 Statutory Retainage.

18.9.1 Pursuant to RCW 60.28, the School District will reserve 5% retainage from the moneys the Contractor earns on estimates during the progress of the Work, to be retained as a trust fund for the protection and payment of the claims of any persons arising under the Agreement and the state with respect to taxes which may be due from the Contractor.

18.9.2 The moneys reserved may, at the option of the Contractor, be (1) retained in a fund by the School District until *forty-five (45) days* following Final Acceptance; or (2) deposited by the School District in an interest-bearing account in a bank, mutual savings bank, or savings and loan association, not subject to withdrawal until *forty-five (45) days* following Final Acceptance, with interest to the Contractor; or (3) placed in escrow with a bank or trust company until *forty-five (45) days* following the Final Acceptance, by the School District's joint check to the bank or trust company and the Contractor, to be converted into bonds and securities chosen by the Contractor, approved by the School District, and held in escrow, with interest on the bonds and securities paid to the Contractor as it accrues.

18.9.3 The Contractor may retain payment of not more than 5% from the moneys earned by any Subcontractor, provided that the Contractor pays interest to the Subcontractor at the same interest rate it receives from its reserved funds. If requested by the School District, the Contractor shall specify the amount of the retainage and interest due a Subcontractor.

18.10 Warranty. The Contractor warrants and guarantees that title to Work, materials and equipment covered by an Application for Payment, whether incorporated in the Project or not, will pass to the School District no later than the time of payment free and clear of liens. The Contractor shall promptly pay (and secure the discharge of any liens asserted by) all persons properly furnishing labor, equipment, materials or other items in connection with the performance of the Work (including, but not limited to, any Subcontractors). The Contractor shall furnish to School District such releases of claims and other documents as may be requested by School District from time to time to evidence such payment (and discharge). School District may, at its option, withhold payment, in whole or in part, to the Contractor until such documents are so furnished. The Contractor shall indemnify and hold harmless the School District from any liens, including all expenses and attorneys' fees.

18.11 Tests and Inspections

18.11.1 Tests, inspections and approvals of portions of the Work required by the Contract Documents or by laws, ordinances, rules, regulations or orders of public authorities having jurisdiction shall be made at an appropriate time. The

Contractor shall make arrangements for such tests, inspections and approvals with an independent testing laboratory or entity selected by the School District, or with the appropriate public authority, and shall bear all related costs of tests, inspections and approvals unless otherwise noted in the Contract Documents.

18.11.2 If the procedures for testing, inspection or approval under Subsection 18.11.1 reveal failures of the Work to comply with requirements established by the Contract Documents, the Contractor shall bear all costs made necessary by such failure including those of repeated procedures and compensation for the A/E's services and expenses.

18.11.3 Required certificates of testing, inspection or approval shall be secured by the Contractor and promptly delivered to the A/E.

18.11.4 If the School District is responsible under the Contract Documents, law or regulation to pay for an inspection of any inspector, consultant or A/E, the School District shall be required to pay only for the first actual inspection. If the Contractor arranges for an inspection and the inspector is required to wait, to leave without inspecting, to perform a partial inspection, to return to complete or reinspect, or otherwise to expend time other than for the primary inspection, the Contractor shall be responsible for all such costs. If the Contractor does not pay the charges for which it is responsible within *thirty (30) days* of billing, the School District may pay the charges directly and backcharge the Contractor on the next progress payment the amount paid plus a 10% handling fee.

ARTICLE 19

PROTECTION OF PERSONS AND PROPERTY

19.1 The Contractor shall have the right to control and shall be solely responsible for, and neither the School District nor the A/E shall have responsibility for, all aspects of safety, including initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Agreement. The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury or loss to (1) employees on the Work and other persons who may be affected thereby; (2) the Work and materials and equipment to be incorporated therein; and (3) other property at the site or adjacent thereto.

19.2 The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons and property and their protection from damage, injury or loss. The Contractor shall promptly remedy, to the School District's satisfaction, damage and loss to property at the site caused in whole or in part by the Contractor, a Subcontractor of any tier, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the

Contractor is responsible, except for damage or loss attributable to acts or omissions of the School District or A/E or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor or a Subcontractor of any tier. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Section 12.12.

ARTICLE 20

BONDS AND INSURANCE

20.1 Performance and Payment Bonds. The Contractor shall secure from a surety company licensed to do business in the State of Washington and shall pay for a surety bond pursuant to RCW 39.08 in the amount of the Contract Sum plus sales tax. The Bond shall remain in effect until the completion of the correction period, except as otherwise provided by law or regulation or by the Contract Documents. Within *ten (10) days* after the School District provides Contractor with the notice of intent to award the contract, the Contractor shall deliver the bond to the School District. **THE SCHOOL DISTRICT SHALL DECLINE TO ENTER INTO THE CONTRACT IF THE BOND IS NOT RECEIVED.**

20.2 Contractor's Liability Insurance. The Contractor shall purchase from and maintain during the life of this Agreement, at its own cost in a company or companies admitted to do business in the State of Washington possessing a Best's policyholder's rating of A- or better and a financial rating of no less than VII, and reasonably acceptable to the School District, an occurrence-based Commercial General Liability Insurance Policy and such other insurance as will provide protection from claims set forth below which may arise out of or result from Contractor's operations under the Contract Documents, whether to be performed or furnished by Contractor, by any Subcontractor, by anyone directly or indirectly employed by any of them to perform or furnish any of the Work, or by anyone for whose acts any of them may be liable:

20.2.1 Claims under workers' or workmen's compensation, disability benefits and other similar employee benefit acts, including Contingent Employers Liability (Stop Gap);

20.2.2 Claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees;

20.2.3 Claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees;

20.2.4 Claims for damages insured by personal injury liability coverage which are sustained (a) by any person as a result of an offense directly or indirectly related to the

employment of such person by Contractor, or (b) by any other person for any other reason.

20.2.5 Claims for damages, other than to the Work itself, because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom;

20.2.6 Claims arising out of operation of Laws or Regulations for damages because of bodily injury or death of any person or for damage to property;

20.2.7 Claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle, including coverage for Owned Motor Vehicles, Non-Owned Motor Vehicles and Hired or Borrowed Motor Vehicles; and

20.2.8 The School District shall be named as an additional insured on such policies other than State Workers Compensation. The School District's specification or approval of this insurance or of its amount shall not relieve or decrease the liability of the Contractor under the Contract Documents or otherwise. Contractor shall provide the School District *thirty (30) days'* written notice by certified mail before cancellation of any insurance or reduction of the amount thereof, or any alteration, modification or restriction thereto.

20.2.9 The comprehensive general liability insurance required by this section must include contractual liability insurance applicable to Contractor's obligations under Section 12.12.

20.3 Property Insurance. Unless otherwise provided in the Contract Documents, the Owner shall purchase and maintain property insurance upon the Work at the site to the full insurable value thereof, subject to deductibles and typical exclusions and policy terms. The Contractor shall purchase and maintain similar property insurance on portions of the Work stored on and off the Site or in transit when such portions of the Work are to be included in an Application for Payment. The School District shall bear no responsibility for such portions of the Work or the consequences of their damage or loss.

20.4 The School District's specification or approval of the insurance in this Agreement or of its amount shall not relieve or decrease the liability of the Contractor under the Contract Documents or otherwise. Coverages are the minimum to be provided and are not limitations of liability under the Contract, indemnification, or applicable law provisions. The Contractor may, at its expense, purchase larger coverage amounts or additional insurance.

20.5 Waiver of Rights

20.5.1 The School District and Contractor waive all rights against each other for losses and damages caused by any of the perils covered by the policies of insurance provided in response to Sections 20.3 and 20.4 and any other property insurance applicable to the Work, and also waive such rights against the Subcontractors, A/E, A/E's consultants and other parties named as insureds in such policies for losses and damages so caused. Each subcontract between Contractor and a Subcontractor will contain similar waiver provisions by the Subcontractor in favor of School District, Contractor, A/E, A/E's consultants and all other parties named as insureds. None of the above waivers shall extend to the rights that any of the insured parties may have to the proceeds of insurance held by School District as Trustee or otherwise payable under any policy so issued.

20.5.2 The School District and Contractor intend that any policies provided in response to Sections 20.3 and 20.4 shall protect the parties insured and provide primary coverage for losses and damages caused by the perils covered thereby. Accordingly, such policies shall contain provisions to the effect that in the event of payment of any loss or damage the insurer will have no rights of recovery against any of the parties named as insureds or additional insureds, and if the insurers require separate waiver forms to be signed by A/E or A/E's consultant, School District will obtain the same, and if such waiver forms are required of any Subcontractor, Contractor will obtain the same.

20.6 Any insured loss under the policies of insurance required by Sections 20.3 and 20.4 will be adjusted with School District and made payable to School District as trustee for the insureds, as their interests may appear, subject to the requirements of any applicable mortgage clause. School District shall deposit in a separate account any money so received, and shall distribute it in accordance with such agreement as the parties in interest may reach. If no agreement is reached, the damaged Work shall be repaired or replaced, the moneys so received applied on account thereof, and the Work and the cost thereof covered by an appropriate Contract Modification or Written Amendment, or be a separate contract, at School District's option.

ARTICLE 21 **CORRECTION OF WORK**

21.1 The Contractor shall promptly, and within at least *ten (10) days*, correct Work rejected or failing to conform to the requirements of the Contract Documents at any time through a period of one year from the date of Substantial Completion of the Agreement or by terms of a longer manufacturer's warranty or an applicable special warranty required by the Contract Documents. The provisions of this Article apply to Work done by Subcontractors of any tier as well as to Work done by direct employees of the Contractor.

21.2 If the Contractor fails to correct Work that is not in accordance with the requirements of the Contract Documents or fails to carry out the Work in accordance with the Contract Documents, the School District, by a written order, may order the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated.

21.3 Nothing contained in this Article shall be construed to establish a period of limitation with respect to other obligations which the Contractor might have under the Contract Documents. Establishment of the time period of one year as described above relates only to the specific obligation of the Contractor to correct the Work and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced, nor to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than specifically to correct the Work.

ARTICLE 22 **MISCELLANEOUS PROVISIONS**

22.1 Applicable Law. The Agreement shall be governed by the law of the State of Washington without regard to its choice-of-law provisions.

22.2 Statutes. The Contractor shall abide by the provisions of all applicable Washington statutes. The statutes referenced in the Contract Documents are not meant to be a complete list and should not be relied upon as such.

22.3 Contractor Registration and Related Requirements. Pursuant to RCW 39.06, the Contractor shall be registered or licensed as required by the laws of the State of Washington, including but not limited to RCW 18.27. The Contractor shall: have a current state unified business identifier number; have industrial insurance coverage for the Contractor's employees working in Washington as required in Title 51 RCW; have an employment security department number as required in Title 50 RCW; have a state excise tax registration number as required in Title 82 RCW, and; not be disqualified from bidding on any public works contract under RCW 39.06.010 (unregistered or unlicensed contractors) or RCW 39.12.065(3) (prevailing wage violations).

22.4 Law against Discrimination. The Contractor should comply with pertinent statutory provisions relating to public works of RCW 49.60.

22.5 Provisions for Aged and Handicapped Persons. The Contractor should comply with pertinent statutory provisions relating to public works of RCW 70.92.

22.6 Safety Standards. The Contractor should comply with pertinent provisions of Chapter 296-155 WAC, "Safety

Standards for Construction Work,” including without limitation trench safety requirements.

22.7 Unemployment Compensation. Pursuant to RCW 50.24 in general and RCW 50.24.130 in particular, the Contractor shall pay contributions for wages for personal services performed under this Agreement or arrange for a bond acceptable to the commissioner.

22.8 Drug-Free Workplace. The Contractor and all Subcontractors shall fully comply with all applicable federal, state, and local laws and regulations regarding drug-free workplace, including the Drug-Free Workplace Act of 1988. Any person not fit for duty for any reason, including the use of alcohol, controlled substances, or drugs, shall immediately be removed from the Work.

22.9 Smoke and Tobacco-Free Environment. Smoking or use of any kind of lighted pipe, cigar, cigarette or any other lighted smoking equipment, material, vaping, or smokeless tobacco products is prohibited on all school district property.

22.10 Assignment. The Contractor shall not let, assign or transfer this Agreement, or any interest in it or part of it, without the written consent of the School District.

22.11 Asbestos Removal. To the extent this Project involves asbestos removal, the Contractor shall comply with RCW 49.26 and any provisions of the Washington Administrative Code promulgated thereunder.

ARTICLE 23

TERMINATION OF THE AGREEMENT

23.1 Termination for Cause by Contractor. If the School District fails to make payment for a period of *thirty (30) days* through no fault of the Contractor, the Contractor may, upon *seven (7) additional days'* written notice to the School District, terminate the Agreement and recover from the School District payment for all Work executed and for proven loss with respect to materials, equipment, tools, and construction equipment and machinery, including Fees applicable thereto.

23.2 Termination for Cause by School District. The School District may, upon *seven (7) days'* written notice to the Contractor, terminate (without prejudice to any right or remedy of the School District) the whole or any portion of the Work for cause, including the following circumstances:

23.2.1 the Contractor fails to prosecute the Work or any portion thereof with sufficient diligence to ensure the Substantial Completion of the Work within the Contract Time;

23.2.2 the Contractor is in material default of or materially breaches any provisions of this Agreement;

23.2.3 the Contractor is adjudged bankrupt, makes a general assignment for the benefit of its creditors, or if a receiver is appointed on account of its insolvency;

23.2.4 the Contractor fails to supply a sufficient number of properly skilled workers or proper materials;

23.2.5 the Contractor fails to make prompt payment to Subcontractors or for materials or labor;

23.2.6 the Contractor materially disregards laws, ordinances, rules, regulations or orders of any public authority having jurisdiction; or

23.2.7 the Contractor fails to comply with the provisions of RCW 28A.400.330 by permitting a worker on the Project having contact with children who has been convicted of or pled guilty to a felony crime involving children as described in Section 12.4.

23.3 Termination for Convenience by School District. The School District may, at any time upon *ten (10) days'* written notice to the Contractor, terminate (without prejudice to any right or remedy of the School District) the whole or any portion of the Work for the convenience of the School District. The School District shall be liable to Contractor only for those costs reimbursable to Contractor in accordance with the following plus ten percent of the actual costs recovered under this section.

23.3.1 The amount due under Article 13 of this Agreement for the performance of the Work terminated; and

23.3.2 Other pre-approved costs, consistent with Section 11.2, necessary and reasonably incurred in connection with the termination of Work under this subsection.

The total sum to be paid to the Contractor under this Section 23.3 shall not exceed the Contract Sum as reduced by the amount of payments otherwise made, the price of Work not terminated, and as otherwise permitted by this Agreement.

23.4 Effects of Termination.

23.4.1 Unless the School District directs otherwise, after receipt of a Notice of Termination from the School District pursuant to Section 23.2 or 23.3, the Contractor shall promptly:

- .1 stop Work under the Agreement on the date and as specified in the Notice of Termination;
- .2 place no further orders or subcontracts for materials, equipment, services or facilities, except as may be necessary for completion of any portion of the Work that is not terminated;
- .3 procure cancellation of all orders and subcontracts, upon terms acceptable to the School

District, to the extent that they relate to the performance of Work terminated;

.4 assign to the School District all of the right, title and interest of the Contractor under all orders and subcontracts, in which case the School District shall have the right, in its discretion, to settle or pay any or all claims arising out of the termination of such orders and subcontracts;

.5 with the School District's approval, settle all outstanding liabilities and all claims arising out of such termination of orders and subcontracts not assigned to the School District;

.6 transfer title and deliver to the entity or entities designated by the School District the fabricated or unfabricated parts, Work in process, partially completed supplies and equipment, materials, parts, tools, dies, jigs and other fixtures, completed Work, supplies and other material produced as part of, or acquired in connection with the performance of, the Work terminated, and the completed or partially completed plans, drawings, information and other property related to the Work;

.7 use its best efforts to sell any property of the types referred to in subsection 23.4.1.6. The Contractor shall not be required to extend credit to any buyer, and may acquire any such property under the conditions prescribed by and at a price or prices approved by the School District, and the proceeds of any such transfer or disposition may be applied in reduction of any payments to be made by the School District to the Contractor;

.8 take such action as may be necessary or as directed by the School District to preserve and protect the Work and property related to this Project in the possession of the Contractor in which the School District has an interest; and

.9 continue performance only to the extent not terminated.

23.4.2 In arriving at any amount due the Contractor after termination, the following deductions shall be made:

.1 all unliquidated advance or other prior payments on account made to the Contractor applicable to the terminated portion of the Agreement;

.2 any claim which the School District may have against the Contractor;

.3 an amount necessary to protect the School District against outstanding or potential liens or claims; and

.4 the agreed price for or the proceeds of sale of any materials, supplies or other things acquired by the Contractor or sold, pursuant to the provisions of subsection 23.4.1.7, and not otherwise recovered by or credited to the School District.

23.4.3 If (and only if) the termination pursuant to Section 23.3 is partial, the Contractor may file a Claim for an equitable adjustment of the price or prices specified in the Agreement relating to the continued portion of the Agreement. The Contractor must assert any Claim for an equitable adjustment under this subsection within *sixty (60) days* from the effective date of the Termination.

23.4.4 The Contractor shall refund to the School District any amounts the School District paid to the Contractor in excess of costs reimbursable under Section 23.3.

23.4.5 The damages and relief from termination by the School District specifically provided in Article 23 shall be the Contractor's sole entitlement in the event of termination.

End of Section

PART 1 -- GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 REQUIREMENTS

- A. If any condition is encountered during construction which is believed, in good faith and with reasonable basis, to be the result of an ambiguity, conflict, error or omission in the Contract Documents, notify the Architect, in a timely manner, in writing, of the conditions encountered and request information from the Architect necessary to address and resolve the conditions before proceeding with any portion of the Work affected or which may be affected by the conditions.
- B. In requesting the information from the Architect, act with promptness so as to allow the Architect a reasonable period of time to review, evaluate and respond to any such request.
- C. If the Architect is not notified in a timely manner of the conditions in writing, using the form included in this Project Manual, and work continues to be performed that is affected by the conditions requiring interpretation, then the work to correct, remove or otherwise remedy any portion of the Work affected thereby shall be completed without adjustment of the Contract Time or the Contract Price.
- D. Do not submit a Request for Interpretation as:
 - 1. A Request for Substitution
 - 2. A Submittal
 - 3. A discovery of a discrepancy or omission in the conditions without a thorough review of the conditions or with the assumption that specific portions of the conditions are excluded or by taking an isolated portion of the conditions in part rather than as a whole.

PART 2 – PRODUCTS

- A. The form for Request for Interpretation follows this Section.

PART 3 – EXECUTION

NOT USED

END OF SECTION

**HARDWARE AND ACCESS CONTROL UPGRADES
WOODLAND SCHOOL DISTRICT**

REQUEST FOR INTERPRETATION

Project Name	Hardware and Access Control	Contract No.	
	Upgrades	Local No.	
Project Location	Woodland, Washington	RFI No.	
Contractor		Drawing Sheet No.	
A/E	Eric Lanciault, Architect	Specification Section	
		Date Answer Requested	

Description of Interpretation or Clarification Needed

Date Received _____

Name	_____	Phone Number	_____
Signature	_____	Date Released	_____

A/E Response

Date Received _____

Name	_____	Phone Number	_____
Signature	_____	Date Released	- -

Contractor Receipt

Upon review of the A/E's response we anticipate the potential contract adjustments indicated to the right:

Date In - - Date Out - -

Name _____

_____ - -

Signature _____ Date _____

- ☐ No change in cost or time
- ☐ Decrease in cost of approx. \$ _____
- ☐ Increase in cost of approx. \$ _____
- ☐ Decrease in time of _____ days
- ☐ Increase in time of _____ days

**HARDWARE AND ACCESS CONTROL UPGRADES
WOODLAND SCHOOL DISTRICT**

**SECTION 00 63 25
PROCUREMENT SUBSTITUTION PROCEDURES
DURING CONSTRUCTION**

SUBMITTED TO: Eric Lanciault, Architect
3250 SE 164th Avenue
Suite 208
Vancouver, Washington 98683

PROJECT: Hardware and Access Control Upgrades

SPECIFIED ITEM

After completion of Bidding and commencement of Construction, the product and/or fabrication method listed below has been determined to be unavailable due to no fault of the parties to the Agreement.

<i>Section No.</i>	<i>Paragraph Heading</i>	<i>Description of Specified Item</i>
The undersigned requests consideration for following substitution to that specified.		
PROPOSED SUBSTITUTION _____		

The following data is attached:

___	Product Data	___	Photographs	___	Other
___	Drawings	___	Performance Characteristics		
___	Specifications	___	Testing Data		
___	Statement why product and/or fabrication is not available (Required)				

Undersigned certifies that following paragraphs are correct, except as modified by attachment:

1. Proposed substitution is equivalent or superior in function, appearance, and quality to that specified.
2. Proposed substitution complies with specified Reference Standards, Design Requirements, Performance Requirements, Quality Assurance Standards, Regulatory Requirements, Warranty provisions, and other provisions of Contract Documents.
3. Proposed substitution will accommodate dimensions and clearances shown on Drawings, will not adversely affect work of other Sections, and will accommodate Construction Progress Schedule.

SUBMITTED BY

Signature _____ Date _____

Firm _____ Phone _____

Address _____ By _____

END OF SUBSTITUTION REQUEST FORM

**HARDWARE AND ACCESS CONTROL UPGRADES
WOODLAND SCHOOL DISTRICT**

SUBSTITUTION REQUEST FORM

SUBMITTED TO: Eric Lanciault, Architect
3250 SE 164th Avenue
Suite 208
Vancouver, Washington 98683

PROJECT: Hardware and Access Control Upgrades

SPECIFIED ITEM

<i>Section No.</i>	<i>Paragraph Heading</i>	<i>Description of Specified Item</i>
--------------------	--------------------------	--------------------------------------

The undersigned requests consideration for following substitution to that specified.

PROPOSED SUBSTITUTION_____

ATTACHED DATA

Include product data, specifications, drawings, photographs, performance characteristics, test data, and other information as necessary for evaluation. Also state limitations and where product differs from that specified. Clearly identify proposed substitution from that no included in proposed substitution.

Include description of changes to Work of this Contract required by proposed substitution.

CERTIFICATION

Undersigned certifies that following paragraphs are correct, except as modified by attachment:

1. Proposed substitution is equivalent or superior in function, appearance, and quality to that specified.
2. Proposed substitution complies with specified Reference Standards, Design Requirements, Performance Requirements, Quality Assurance Standards, Regulatory Requirements, Warranty provisions, and other provisions of Contract Documents.
3. Proposed substitution will accommodate dimensions and clearances shown on Drawings, will not adversely affect work of other Sections, and will accommodate Construction Progress Schedule.
4. Technical representation, maintenance materials, and servicing are locally available for proposed substitution.
5. Undersigned agrees to pay cost associated with acceptance of proposed substitution necessitating changes to design, details, and construction, including associated architectural, engineering, and consultant fees.

SUBMITTED BY

FOR USE BY ARCHITECT

Signature_____

__ACCEPTED __ACCEPTED AS NOTED

Firm_____

__NOT ACCEPTED __RECEIVED TOO LATE

Address_____

By_____

Date_____

Remarks_____

Date_____

Telephone_____

Facsimile_____

END OF SUBSTITUTION REQUEST FORM

PART 1 -- GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 DESCRIPTION

- A. A Change Order Form is issued when a Change Proposal has been accepted. The Change Order Form modifies the overall contract amount.
- B. Change Orders usually arise from one of the following reasons:
 - 1. Error in or omission from the Contract Documents.
 - 2. Unforeseeable job site conditions such as rock, expansive soils, unrecorded utility lines, unexpected building damage or similar circumstances.
 - 3. Change in the requirements of a regulatory agency, such as revisions in building codes, fire, safety and health regulations.
 - 4. A change originated by the Owner.
 - 5. Changes in specified work due to unavailability of specified materials.

1.03 REQUIREMENTS

- A. The Architect prepares the Change Order Form.
- B. Each Change Order Form is identified sequentially by number. Should a Change Order Form be voided, its number shall remain logged in and indicated as void.
- C. Provide the following information that is included with each Change Order Form:
 - 1. Description of Proposed Change: Describe completely and definitively the change or changes proposed.
 - 2. Necessity for Proposed Change: State the condition, circumstance or occasion which makes the change proposal necessary.
 - 3. Origin and Originator of Proposed Change: Identify the original proposer, i.e. Architect, Contractor, Owner's Representative.
 - 4. Cost of Proposed Change: Provide a detailed breakdown of additional cost or credit for the proposed change.
- D. Architect provides the following information that is included with each Change Order Form:
 - 1. Classification of Proposed Change:
 - A. Architect Coordination: Error in or omission from the contract documents
 - G. Jurisdictional Requirements: Change in the requirements of a regulatory agency, such as revisions in building codes, safety or health regulations.
 - O. A change originated by the Owner.
 - R. Changes in specified work due to the unavailability of specified materials or alternative means and methods by Contractor.
 - U. Unforeseeable job site condition such as rock, expansive soil, unrecorded utility lines, unexpected building damage or similar circumstances.
 - 2. A/E Extra Service Compensation: A breakdown of compensation required to make changes

in the contract documents or produce additional drawings and/or specifications necessary to proceed with the execution of the proposed change. If the proposed change is classified as A (error in or omission from contract documents), the estimated design cost shall always be indicated as \$0.

PART 2 – NOT USED

2.01 SUBMITTALS

- A. Change Order Form: Provided by Architect.
 - 1. Form: follows this Section

PART 3 – NOT USED

NOT USED

END OF SECTION

Eric Lanciault, Architect

Project: Hardware and Access
Control Upgrades

Contract Date: To Be Determined

Architect: Eric Lanciault,
Architect
3016 NW Gravenstein Street
Camas, Washington 98607

Owner: Woodland School District
800 Third Street
Woodland, Washington 98674

Contractor: To Be Determined

	B
Change Order No.:	0
	4
	A
Date:	7
	.
	1
	5
	.
	2
	0
	1
	5

CHANGE ORDER 01

You are directed to make the following changes in this Contract:

1. To be determined. \$xxx.xx
Classification: A, G, O, R, U

Note: does not include WSST

Total **Addition/Deduct** this Change Order \$xxx.xx

Contract Revision Summary

Original Contract Sum	\$xxxxx.xx
Net change previously authorized by Change Orders	\$xxxxx.xx
Contract Sum prior to this Change Order	\$xxxxx.xx
Contract Sum Increased/Decreased by this Change Order	\$xxxxx.xx
New Contract Sum including this Change Order	\$xxxxx.xx

Contract Time **Changed/Unchanged**: Date of Substantial Completion as of the date of this Change Order
is xxx consecutive calendar days following Commencement Date.

Not valid until signed by Architect, Owner's Representative and Contractor. Signature of Contractor indicates agreement that amounts include all direct and indirect costs relating to these changes, including any Adjustment in Contract Sum or Contract Time

APPROVED:

Architect

Eric Lanciault, Architect
3250 SE 164th Ave ste 208
Vancouver, WA 98683

AGREED TO:

Contractor

AGREED TO:

Owner's Representative

Woodland School District
800 Third Street
Woodland, WA 98674

By _____

By _____

By _____

Date _____

Date _____

Date _____

PART 1 -- GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 DEFINITIONS

- A. Substantial Completion: Substantial Completion is the stage in the progress of the work when the construction is sufficiently complete, in accordance with the Contract Documents, so Owner has full and unrestricted use and benefit of the facilities for the use for which it is intended.

1.03 REQUIREMENTS

- A. Notify Owner when the Work is judged to be Substantially Complete in accordance with requirements of the Agreement as specified Section 00 52 00.
- B. Architect conducts one (1) Substantial Completion site observation on or around the date indicated in Section 01 11 00.
- C. Complete all Work, other than incidental corrective or Punch List work prior to requesting a Substantial Completion observation by Architect.
 - 1. Completion includes, but is not limited to:
 - a. All systems and parts function as designed.
 - b. All utilities are connected and operating normally.
 - c. All required Occupancy or Temporary Occupancy Permits are issued.
 - d. All areas are accessible by normal vehicular and pedestrian traffic routes.
- D. Notify Architect at least seven (7) calendar days prior to request for Substantial Completion preliminary observation.
 - 1. Arrange for access to all areas of the building.
 - 2. Provide ladders and lifts as necessary for Architect's observation.
- E. At least 24 hours prior to Architect's scheduled Substantial Completion observation time, provide Architect with punch list of known incidental incomplete items.
- F. At the conclusion of Architect's Substantial Completion observation, Architect distributes final Punch List of work to be completed by Contractor.
- G. When all items of the Punch List are complete, notify Architect that the Work is ready for Architect's Substantial Completion final observation.
 - 1. If all Work is complete, other than incidental corrective items, Architect issues a Certificate of Substantial Completion Form indicating that, to the Architect's knowledge, the Work is substantially complete.
 - 2. If all Work is not complete, other than incidental corrective items, Architect issues a second Punch List indicating items to be completed. The Work is not substantially complete.
 - a. At the completion of the second Punch List, request another Substantial Completion observation by Architect.
 - b. If all of the Work is not complete, other than incidental corrective items, additional

Punch Lists and Substantial Completion observations are required until the work is found to be substantially complete by Architect.

- c. Costs for Architect's second Punch List and subsequent observations and Punch Lists shall be included as a deductive change order to the contract amount prior to Final Acceptance.
- H. Following Architect's issuance of the Certificate of Substantial Completion Form, complete any and all incidental corrective items and notify Owner that the Work is complete.
- I. Following receipt of Contractor's notification that the Work is complete, Owner shall complete its own site observation and issue a Certification of Completion Form in accordance with provisions Section 00 65 19.

PART 2 – NOT USED

2.01 SUBMITTALS

- A. The Certificate of Substantial Completion Form is completed by the Architect and distributed to Contractor and Owner.
 - 1. Form: AIA Document G704, current issue.

PART 3 – NOT USED

NOT USED

END OF SECTION

PART 1 -- GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 DEFINITIONS

- A. Final Completion: Final Completion is achieved when the Work is fully and finally complete in accordance with the Contract Documents.

1.03 REQUIREMENTS

- A. Purpose: Notification to all parties to the Work that the Work appears fully and finally complete in accordance with the Contract Documents.
- B. At the appropriate time when the Work is fully and finally complete, the Owner establishes, in writing, the date Final Completion is achieved.
 - 1. The Owner furnishes the Certification of Completion Form in a format of its choosing.
- C. The date of Final Completion does not constitute Final Acceptance.
 - 1. Final Acceptance: as specified Section 00 65 23.

PART 2 – NOT USED

2.01 SUBMITTALS

- A. Upon receipt of Certification of Completion Form, submit to Owner a written notice of any outstanding disputes or claims between Contractor and any Subcontractors, including the amounts and other details thereof.

PART 3 – NOT USED

Not Used

END OF SECTION

Date:

Date of Substantial Completion:

Final Acceptance is the date certified by the Architect when all the Work of the Project is fully complete, the Closeout requirements have been completed, the Contract fully performed and the Contractor is entitled to final payment.

The CONTRACTOR certifies that the Work is fully completed and was completed on or before:

and submits herewith:

Application for Final Payment
Affidavit of Payments Received
Consent of Surety
Releases of Liens
Waiver of Liens
Affidavits of Wages Paid

CONTRACTOR:

By: _____ Date: _____
Name: _____

The ARCHITECT has reviewed the Work and has determined that the Date of Final Completion is:

ARCHITECT:

By: _____ Date: _____
Name: Eric Lanciault

The OWNER hereby accepts the Work as fully complete and will make final payment.

OWNER:

By: _____ Date: _____
Name: Michael Green

END OF SECTION

PART 1 -- GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.
- C. The most current Schedule of Washington State Prevailing Wage Rates for Cowlitz County is included by reference under requirements of these Contract Documents except as amended or superseded by new current Prevailing Wage Rates, Codes, Laws, or other Governing Authorities.

1.02 REQUIREMENTS

- A. In accordance with Revised Code of Washington (RCW) 39.04.010 ff, Contractor and subcontractors shall pay employees for each trade or occupation, performing work, not less than the minimum, current Prevailing Wage Rate and shall comply in all respects to this or other requirements as defined by Washington State Department of Labor & Industries. Prevailing Wage information may be found at the following web page:

<http://www.lni.wa.gov/TradesLicensing/PrevWage>

- B. Prevailing Wage Rate is defined as the hourly wage and usual fringe benefits paid in the largest city in each county, to the majority of workers, laborers, and mechanics. Prevailing wages are established separately for each county and are reflective of local wage conditions.
 - 1. Contractor and subcontractors must pay a wage-and-fringe benefits package to workers that is equal to or exceeds the prevailing wage and prevailing fringe benefit amounts added together.
 - 2. Contractor and subcontractors must observe overtime, holiday, and Code provisions that are part of the Prevailing Wage Rate.
- C. Posting of Prevailing Wage Rates: Locate Prevailing Wage Rates in site office in clear and plain sight to all. Maintain information and replace damaged information in a timely manner.
- D. File "Statement of Intent to Pay Prevailing Wages," in accordance with provisions Section 00 73 14.16.
- E. File "Affidavit of Wages Paid," in accordance with provisions Section 00 73 46.19.

1.03 RETAINAGE

- A. Retainage of funds from each payment to Contractor will be withheld in an interest bearing account until conclusion of Project. Amount retained will be 5% percent of each payment, and is assumed to be sufficient to pay any unpaid wage claims, taxes and costs as well as attorney fees, should a claim against the bond and retainage fund be filed.
 - 1. Retainage will be held until Owner receives proof that all taxes and industrial insurance premiums due for the Work have been paid.
 - 2. Retainage may be paid after Owner has received approved releases from the Department of Labor & Industries (L&I) Industrial Insurance Program, the Department of Revenue (DOR)

and the Employment Security Department (ESD) and all prevailing wage Affidavit of Wages Paid requirements of RCW 39.12.040 have been met.

3. Questions regarding Retaining may be addressed to the following email:

ContractRelease@Lni.wa.gov

1.04 DISPUTE RESOLUTION

- A. In accordance with RCW 39.12.060, in case any dispute arises as to what are the prevailing rates of wages for work of a similar nature and such dispute cannot be adjusted by the parties in interest, including labor and management representatives, the matter shall be referred for arbitration to the director of the department of labor and industries of the state and his or her decision therein shall be final and conclusive and binding on all parties involved in the dispute.

1.05 CERTIFIED PAYROLL RECORDS

- A. The Owner reserves the right under Washington Administrative Code (WAC) 296-127-320(2) to request and receive certified payroll records for work performed. At Owner's request, comply with filing certified payroll records with the L&I and with Owner.
 1. Questions regarding Certified Payroll records may be address to the following:

pw1@lni.wa.gov

PART 2 – NOT USED

NOT USED

PART 3 – NOT USED

NOT USED

END OF SECTION

PART 1 -- GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.
- C. The most current Schedule of Washington State Prevailing Wage Rates for Pacific County is included following this Section under requirements of these Contract Documents except as amended or superseded by new current Prevailing Wage Rates, Codes, Laws, or other Governing Authorities.

1.02 REQUIREMENTS

- A. In accordance with Revised Code of Washington (RCW) 39.04.010 ff, Contractor and subcontractors shall pay employees for each trade or occupation, performing work, not less than the minimum, current Prevailing Wage Rate and shall comply in all respects to this or other requirements as defined by Washington State Department of Labor & Industries.
- B. Prevailing Wage Rate Schedule: The current Prevailing Wage Rates for journeymen and apprentices are included herewith following this Section.
- C. Post the Prevailing Wage Rates in accordance with requirements Section 00 73 43.
 - 1. Provide Intents to Pay Prevailing Wages in accordance with Section 00 73 46.16.
 - 2. Provide Affidavit of Wages Paid in accordance with Section 00 73 46.19.

PART 2 – PRODUCTS

- A. Current Prevailing Wage Rate Schedule follows this Section.

PART 3 – EXECUTION

NOT USED

END OF SECTION

State of Washington
Department of Labor & Industries
Prevailing Wage Section - Telephone 360-902-5335
PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 04/06/2015

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>
Cowlitz	Asbestos Abatement Workers	Journey Level	\$40.57	<u>5D</u>	<u>1H</u>	
Cowlitz	Boilermakers	Journey Level	\$64.29	<u>5N</u>	<u>1C</u>	
Cowlitz	Brick Mason	Brick Finisher	\$34.76	<u>5A</u>	<u>1B</u>	
Cowlitz	Brick Mason	Caulker-Pointer-Cleaner	\$51.79	<u>5A</u>	<u>1B</u>	
Cowlitz	Brick Mason	Journey Level	\$51.79	<u>5A</u>	<u>1B</u>	
Cowlitz	Building Service Employees	Janitor	\$10.04		<u>1</u>	
Cowlitz	Building Service Employees	Shampooer	\$16.22		<u>1</u>	
Cowlitz	Building Service Employees	Waxer	\$16.22		<u>1</u>	
Cowlitz	Building Service Employees	Window Cleaner	\$15.89		<u>1</u>	
Cowlitz	Cabinet Makers (In Shop)	Journey Level	\$14.84		<u>1</u>	
Cowlitz	Carpenters	Acoustical Worker	\$48.77	<u>5A</u>	<u>1B</u>	
Cowlitz	Carpenters	Carpenter	\$48.77	<u>5A</u>	<u>1B</u>	
Cowlitz	Carpenters	Floor Layer And Floor Finishers	\$48.92	<u>5A</u>	<u>1B</u>	
Cowlitz	Carpenters	Stationary Power Saw	\$48.92	<u>5A</u>	<u>1B</u>	
Cowlitz	Cement Masons	Journey Level	\$52.38	<u>7A</u>	<u>1M</u>	
Cowlitz	Divers & Tenders	Diver	\$95.89	<u>5A</u>	<u>1B</u>	<u>8C</u>
Cowlitz	Divers & Tenders	Diver On Standby	\$55.36	<u>5A</u>	<u>1B</u>	
Cowlitz	Divers & Tenders	Diver Tender	\$53.26	<u>5A</u>	<u>1B</u>	
Cowlitz	Dredge Workers	Assistant Engineer	\$57.15	<u>5D</u>	<u>1N</u>	<u>8D</u>
Cowlitz	Dredge Workers	Assistant Mate (deckhand)	\$51.79	<u>5D</u>	<u>1N</u>	<u>8D</u>
Cowlitz	Dredge Workers	Boatman (licensed)	\$57.15	<u>5D</u>	<u>1N</u>	<u>8D</u>
Cowlitz	Dredge Workers	Fill Equipment Operator	\$54.49	<u>5D</u>	<u>1N</u>	<u>8D</u>
Cowlitz	Dredge Workers	Fireman	\$55.66	<u>5D</u>	<u>1N</u>	<u>8D</u>
Cowlitz	Dredge Workers	Leverman (hydraulic & Clamshell)	\$60.31	<u>5D</u>	<u>1N</u>	<u>8D</u>
Cowlitz	Dredge Workers	Mate	\$57.15	<u>5D</u>	<u>1N</u>	<u>8D</u>
Cowlitz	Dredge Workers	Oiler	\$51.79	<u>5D</u>	<u>1N</u>	<u>8D</u>
Cowlitz	Dredge Workers	Tenderman (boatman	\$55.66	<u>5D</u>	<u>1N</u>	<u>8D</u>

		Attending Dredge Plant)				
Cowlitz	Dredge Workers	Welder	\$57.15	<u>5D</u>	<u>1N</u>	<u>8D</u>
Cowlitz	Drywall Applicator	Journey Level	\$48.77	<u>5A</u>	<u>1B</u>	
Cowlitz	Drywall Tapers	Journey Level	\$46.67	<u>7E</u>	<u>1E</u>	
Cowlitz	Electrical Fixture Maintenance Workers	Journey Level	\$25.23		<u>1</u>	
Cowlitz	Electricians - Inside	Journey Level	\$61.90	<u>5A</u>	<u>1B</u>	
Cowlitz	Electricians - Inside	Journeyman, Welder	\$66.05	<u>5A</u>	<u>1B</u>	
Cowlitz	Electricians - Motor Shop	Craftsman	\$15.37		<u>1</u>	
Cowlitz	Electricians - Motor Shop	Journey Level	\$14.69		<u>1</u>	
Cowlitz	Electricians - Powerline Construction	Cable Splicer	\$69.95	<u>5A</u>	<u>4D</u>	
Cowlitz	Electricians - Powerline Construction	Certified Line Welder	\$63.97	<u>5A</u>	<u>4D</u>	
Cowlitz	Electricians - Powerline Construction	Groundperson	\$43.62	<u>5A</u>	<u>4D</u>	
Cowlitz	Electricians - Powerline Construction	Heavy Line Equipment Operator	\$63.97	<u>5A</u>	<u>4D</u>	
Cowlitz	Electricians - Powerline Construction	Journey Level Lineperson	\$63.97	<u>5A</u>	<u>4D</u>	
Cowlitz	Electricians - Powerline Construction	Line Equipment Operator	\$53.81	<u>5A</u>	<u>4D</u>	
Cowlitz	Electricians - Powerline Construction	Pole Sprayer	\$63.97	<u>5A</u>	<u>4D</u>	
Cowlitz	Electricians - Powerline Construction	Powderperson	\$47.55	<u>5A</u>	<u>4D</u>	
Cowlitz	Electronic Technicians	Journey Level	\$48.02	<u>5A</u>	<u>1B</u>	
Cowlitz	Elevator Constructors	Mechanic	\$83.01	<u>5N</u>	<u>4A</u>	
Cowlitz	Elevator Constructors	Mechanic In Charge	\$89.80	<u>5N</u>	<u>4A</u>	
Cowlitz	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	\$13.50		<u>1</u>	
Cowlitz	Fence Erectors	Fence Erector	\$20.89		<u>1</u>	
Cowlitz	Flaggers	Journey Level	\$37.03	<u>6Z</u>	<u>1M</u>	
Cowlitz	Glaziers	Journey Level	\$20.68		<u>1</u>	
Cowlitz	Heat & Frost Insulators And Asbestos Workers	Mechanic	\$62.49	<u>5N</u>	<u>1F</u>	
Cowlitz	Heating Equipment Mechanics	Journey Level	\$70.37	<u>7F</u>	<u>1E</u>	
Cowlitz	Hod Carriers & Mason Tenders	Journey Level	\$41.46	<u>5D</u>	<u>1B</u>	
Cowlitz	Industrial Power Vacuum Cleaner	Journey Level	\$9.47		<u>1</u>	
Cowlitz	Inland Boatmen	Boat Operator	\$54.57	<u>5B</u>	<u>1K</u>	
Cowlitz	Inland Boatmen	Cook	\$50.95	<u>5B</u>	<u>1K</u>	
Cowlitz	Inland Boatmen	Deckhand	\$51.19	<u>5B</u>	<u>1K</u>	
Cowlitz	Inland Boatmen	Deckhand Engineer	\$52.18	<u>5B</u>	<u>1K</u>	
Cowlitz	Inland Boatmen	Launch Operator	\$53.40	<u>5B</u>	<u>1K</u>	
Cowlitz	Inland Boatmen	Mate	\$53.40	<u>5B</u>	<u>1K</u>	

Cowlitz	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	\$9.73		1	
Cowlitz	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	\$11.48		1	
Cowlitz	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	\$12.78		1	
Cowlitz	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	\$9.47		1	
Cowlitz	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	\$10.53		1	
Cowlitz	Insulation Applicators	Journey Level	\$48.92	5A	1B	
Cowlitz	Ironworkers	Journey Level	\$57.48	7N	1Q	
Cowlitz	Laborers	Anchor Machines	\$40.57	6Z	1M	
Cowlitz	Laborers	Application (including Pot Power Tender For Same), Applying Protective Material By Hand Or Nozzle On Utility Lines Or Storage Tanks On Project	\$40.13	6Z	1M	8S
Cowlitz	Laborers	Asbestos Removal	\$40.57	6Z	1M	
Cowlitz	Laborers	Asphalt Plant Laborers	\$39.53	6Z	1M	8T
Cowlitz	Laborers	Asphalt Raker	\$40.95	6Z	1M	
Cowlitz	Laborers	Asphalt Spreaders	\$39.53	6Z	1M	8T
Cowlitz	Laborers	Ballast Regulators	\$40.57	6Z	1M	
Cowlitz	Laborers	Batch Weighman	\$39.53	6Z	1M	8T
Cowlitz	Laborers	Bit Grinder	\$40.57	6Z	1M	
Cowlitz	Laborers	Broomers	\$39.53	6Z	1M	8T
Cowlitz	Laborers	Brush (power Saw)	\$40.13	6Z	1M	8S
Cowlitz	Laborers	Brush Burners And Cutters	\$39.53	6Z	1M	8T
Cowlitz	Laborers	Burners	\$40.13	6Z	1M	8S
Cowlitz	Laborers	Car And Truck Loaders	\$39.53	6Z	1M	8T
Cowlitz	Laborers	Carpenter Tender	\$39.53	6Z	1M	8T
Cowlitz	Laborers	Change-house Man Or Dry Shack Man	\$39.53	6Z	1M	8T
Cowlitz	Laborers	Chipping Guns	\$40.13	6Z	1M	8S
Cowlitz	Laborers	Choker Setters	\$39.53	6Z	1M	8T
Cowlitz	Laborers	Choker Splicer	\$40.13	6Z	1M	8S
Cowlitz	Laborers	Chuck Tender	\$40.13	6Z	1M	8S
Cowlitz	Laborers	Clary Power Spreader And Similar Types	\$40.13	6Z	1M	8S
Cowlitz	Laborers	Clean Up Laborers	\$39.53	6Z	1M	8T
Cowlitz	Laborers	Clean-up Nozzleman-green-cutter (concrete Rock, Etc.)	\$40.13	6Z	1M	8S

Cowlitz	Laborers	Concrete Crew, Bull Gang	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Concrete Laborers	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Concrete Nozzlemen	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Concrete Power Buggyman	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Concrete Saw Operator	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Concrete Saw Operator (walls)	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Confined Space / Hole Watch	\$37.03	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Crusher Feeder	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Curing, Concrete	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Demolition And Wrecking Charred Materials	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Demolition, Wrecking And Moving Laborers	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Drill Doctor	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Drill Operators, Air Tracks, Cat Drills, Wagon Drills, Rubber-mounted Drills And Other Similar Types, Including At Crusher Plants	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Dry Pack Machine	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Dumpers, Road Oiling Crew	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Dumpmen (for Grading Crew)	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Elevator Feeders	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Erosion Control Specialist	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Fine Graders	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Fire Watch	\$37.03	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Form Strippers (not Swinging Stages)	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	General Laborer	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Grade Checker	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Guard Rail, Median Rail, Reference Post Guide Post, Right-of-way Marker	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Gunitite Nozzleman	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Gunitite Nozzleman Tender	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Gunitite Or Sand Blasting Pot Tender	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Hand Placed Sand Blasting (wet)	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Handlers Or Mixers Of All Materials Of An Irritating Nature (including Cement & Lime)	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Hazardous Waste Worker	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	High Scalers, Strippers And Drillers Covers Work In Swinging Stages, Chairs Or	\$40.95	<u>6Z</u>	<u>1M</u>	

		Belts, Under Extreme Conditions Unusual To Blasting, Barring Down, Or S				
Cowlitz	Laborers	Jackhammer	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Laser Beam	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Laser Beam (pipe Laying) - Applicable When Employee Assigned To Move, Set Up, Align	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Laser Beam (tunnel) - Applicable When Employee Assigned To Move, Set Up, Align	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Lead Abatement	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Leverman Or Aggregate Spreaders (flaherty And Similar Types)	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Loading Spotters	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Loop Installation	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Manhole Building	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Material Yard Man (including Electrical)	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Miner - Tunnel	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Miner - Tunnel	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Mold Remediation Or Removal	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Multiple Tampers	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Nippers And Timbermen	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Nuclear Plant Worker - Lead Shield	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Paving Breakers	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Pipe Doping & Wrapping	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Pipe Layer All Types	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Pittsburgh Chipper Operator Or Similar Types	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Post Hold Digger, Air, Gas Or Electric	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Pot Tender	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Powderman	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Powderman Tender	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Power Jacks	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Power Saw Operators (bucking & Falling)	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Pressure Washer	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Pumpcrete Nozzleman	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Railroad Track Laborers	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Ribbon Setter, Head	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>

Cowlitz	Laborers	Ribbon Setters (including Steel Forms)	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Rip Rap Man (hand Placed)	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Rip Rap Man (head)	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Road Pump Tender	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Sand Blasting (dry)	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Scaffold Tender	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Sewer Labor	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Sewer Timbermen	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Signalman	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Skipman	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Slopers	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Spraymen	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Stake Chaser	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Stake-setter	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Stockpiler	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Tampers	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Tie Back Shoring	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Timber Faller And Bucker (hand Labor)	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Toolroom Man (at Job Site)	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Track Liners	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Traffic Control Laborer	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Traffic Control Supervisor	\$40.13	<u>6Z</u>	<u>1M</u>	<u>8S</u>
Cowlitz	Laborers	Tugger Operator	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Tunnel Bullgang (above Ground)	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Tunnel Chuck Tenders	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Tunnel Motorman - Dinky Locomotive	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Tunnel Muckers, Brakemen	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Tunnel Powderman	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Tunnel Shield Operator	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Vibrating Screed	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Vibrators (all Types)	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Water Blaster	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers	Weight-man-crusher (aggregate When Used)	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers	Welder	\$40.57	<u>6Z</u>	<u>1M</u>	
Cowlitz	Laborers - Underground Sewer & Water	General Laborer And Topman	\$39.53	<u>6Z</u>	<u>1M</u>	<u>8T</u>
Cowlitz	Laborers - Underground Sewer & Water	Pipe Layer	\$40.95	<u>6Z</u>	<u>1M</u>	
Cowlitz	Landscape Construction	Irrigation Or Lawn Sprinkler Installers	\$11.42		<u>1</u>	

Cowlitz	Landscape Construction	Landscape Equipment Operators Or Truck Drivers	\$11.42		<u>1</u>	
Cowlitz	Landscape Construction	Landscaping Or Planting Laborers	\$9.47		<u>1</u>	
Cowlitz	Lathers	Journey Level	\$48.77	<u>5A</u>	<u>1B</u>	
Cowlitz	Marble Setters	Journey Level	\$52.79	<u>5A</u>	<u>1B</u>	
Cowlitz	Metal Fabrication (In Shop)	Fitter	\$25.33	<u>7S</u>	<u>1B</u>	
Cowlitz	Metal Fabrication (In Shop)	Machine Operator	\$25.33	<u>7S</u>	<u>1B</u>	
Cowlitz	Metal Fabrication (In Shop)	Welder	\$25.33	<u>7S</u>	<u>1B</u>	
Cowlitz	Millwright	Journey Level	\$49.27	<u>5A</u>	<u>1B</u>	
Cowlitz	Modular Buildings	Journey Level	\$9.47		<u>1</u>	
Cowlitz	Painters	Bridge Painter	\$35.65	<u>7E</u>	<u>2B</u>	
Cowlitz	Painters	Journey Level	\$31.85	<u>7E</u>	<u>2B</u>	
Cowlitz	Pile Driver	Journey Level	\$49.77	<u>5A</u>	<u>1B</u>	
Cowlitz	Plasterers	Journey Level	\$45.11	<u>5H</u>	<u>1E</u>	
Cowlitz	Playground & Park Equipment Installers	Journey Level	\$9.47		<u>1</u>	
Cowlitz	Plumbers & Pipefitters	Journey Level	\$63.57	<u>5A</u>	<u>1G</u>	
Cowlitz	Power Equipment Operators	Air Filtration Equipment(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Asphalt Plant (any Type) (assistant Engineer Required) (group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Asphalt, Burner & Reconditioner (any Type), (asst To Engineer If Required) (group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Asphalt, Extrusion Machine Operator(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Asphalt, Paver (screed Man Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Asphalt, Pugmill (any Type) (group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Asphalt, Raker(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Asphalt, Roller (any Asphalt Mix)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Asphalt, Roto-mill, Pavement Profiler Under 8 Ft Lateral Cut(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Asphalt, Roto-mill, Pavement Profiler, 8 Ft Lateral Cut & Over(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Asphalt, Roto-mill, Pavement Profiler, Groundman(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Asphalt, Screed(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Asphalt, Truck Mounted Spreader, With Screed(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators	Auger Oiler(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Auto Grader Or "trimmer" (grade Checker Required) (group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Back Filling Machine (assistant To Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Backhoe, Robotic, Track And Wheel Type Up To And Including 20,000 Lbs. With Any Attachments(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Band Wagons (in Conjunction With Whell Excavator)(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Bell Man (any Type Of Communication)(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Blade Any Type(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Blade, Robotic(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Boatman(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Boatman, Licensed(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Bobcat, Skid Steer (< 1yd) (group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Boom Type Lifting Device, 5 Ton Capacity Or Less(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Boring Machine (asst To Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Broom Self-propelled, Construction Job Site(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Bulldozer Operator, 20,000 Lbs Or Less, Or 100 Horse Or Less(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Bulldozer Operator, Over 20,000 Lbs And More Than 100 Horse Up To 70,000 Lbs(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Bulldozer Over 70,000 Lbs Up To And Including 120,000 Lbs(group 3)	\$50.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Bulldozer Over 120,000 Lbs And Above(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Bulldozer Robotic Equipment(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Cable-plow (any Type)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Cableway 25 Ton & Over(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Cableway Up To 25 Ton(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Canal Trimmer (grade Oiler Required)(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators	Cat Drill (john Henry)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Cement Pump(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Challenger(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Chip Spreading Machine(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Chippers (asst To Engineer If Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Churn Drill & Earth Boring Machine(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Combination Heavy Duty Mechanic-welder, When Required To Do Both(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Compactor Self Propelled Without Blade(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Compactor With Blade Self Propelled(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Compactor, Multi-engine(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Compactor, Robotic(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Compressor (any Power) 1,250 Cu Ft And Over Total Capacity(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Compressor Operator (any Power) Under 1,250 Cu Ft Total Capacity(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete Batch Plant And/or Wet Mix (3 Units Or More) (group1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete Batch Plant And/or Wet Mix Operator (1 & 2 Drums)(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete Batch Plant Quality Control(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete Breaker (assistant To Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete Canal Line, Assistant To Engineer Required(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete Curing Machine (riding Type)(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete Diamond Head Profiler(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete Paving Road Mixer(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete Planer(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete Saw(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Automatic Slip Form Paver (asst To Engineer Required)(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Combination Mixer	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>

		& Compressor Operator, Gunite Work(group 5)				
Cowlitz	Power Equipment Operators	Concrete, Curb Machine Mechanical Berm, Curb And/or Curb And Gutter(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Finishing Machine(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Grout Plant(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Grouting Machine(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Joint Machine(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Mixer Mobile(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Mixer Single Drum Any Capacity(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Paving Machine 8' And Less (asst To Engineer Required)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Placing Boom(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Pump Truck(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Pump(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Pumpcrete Operator (any Type)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Reinforced Tank Banding Machine (asst To Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Slip Form Pumps, Power Driven Hydraulic Lifting Device For Concrete Forms(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Spreader(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Telebelt(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Concrete, Treated Base Roller Operator, Oiling(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Conveyor Operator Or Assistant(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Conveyored Material Hauler(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Bridge Locomotive, Gantry And Overhead(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Carry Deck(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Chicago Boom & Similar Types(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Floating (derrick Barge) 30 Ton But Less Than 150 Ton (asst To Engineer	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>

		Required)(group 2)				
Cowlitz	Power Equipment Operators	Crane, Floating 150 Ton But Less Than 250 Ton (asst To Engineer Required) (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Floating 250 Ton And Over (asst To Engineer And Deckhand Required)(group 1)	\$55.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Floating Clamshell 3 Cu. Yds. & Over (fireman Or Diesel Electric Engineer Required)(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Floating Clamshell, Dragline Etc. Operator Under 3 Cu. Yds. Or Less Than 30 Ton (diesel-electric Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Hydraulic 200 Ton Through 399 Ton (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Hydraulic 50 Ton Through 89 Ton With Luffing Or Tower Attachment(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Hydraulic 50 Ton Through 89 Tons(group 3)	\$50.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Hydraulic 90 Ton Through 199 Ton With Luffing Or Tower Attachment (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Hydraulic 90 Ton Through 199 Ton(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Hydraulic Crane 200 Ton Through 300 Ton With Luffing Or Tower Attachment(group 1)	\$55.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Hydraulic Crane 400 Ton And Over(group 1)	\$57.52	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Hydraulic Crane Over 300 Ton Through 399 Ton With Luffer Or Tower Attachment(group 1)	\$57.52	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Hydraulic Under 50 Ton(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Lattice Boom 200 Ton Through 299 Ton, With Over 200' Boom(group 1)	\$55.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Lattice Boom 300 Ton Through 399 Ton(group 1)	\$55.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Lattice Boom 300 Ton Through 399 Ton, With Over 200' Boom(group 1)	\$57.52	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Lattice Boom 50 Ton Through 89 Ton With 150'	\$50.54	<u>7B</u>	<u>1B</u>	<u>8D</u>

		Boom Or Less(group 3)				
Cowlitz	Power Equipment Operators	Crane, Lattice Boom 50 Ton Through 89 Ton With Over 150' Boom	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Lattice Boom 90 Ton Through 199 Ton With 150' - 200' Boom(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Lattice Boom Under 50 Ton(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Lattice Boom, 200 Ton Through 299 Ton With 200' Boom Or Less (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Lattice Boom, 90 Ton Through 199 Ton With Over 200' Boom (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Shovel, Dragline Or Clamshell 3 Cu. Yds. But Less Than 5 Cu. Yds. (asst To Engineer Required)(group 3)	\$50.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Tower Crane With 175' Tower Or Less And With Less Than 200' Jib(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Tower Crane With Over 175' Tower Or Over 200' Jib (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Tugger(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Whirley 90 Ton And Over (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crane, Whirley Under 90 Ton(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crusher Feederman(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crusher Oiler(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Crusher Plant(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Deckhand(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Derrick Operator Under 100 Ton (two Operators Required When Swing Control Is Remote From Hoist)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Diesel-electric Engineer (plant Or Floating)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Directional Drill Over 20,000 Lbs Pullback(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Drill Assistant(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Drill Cat Operator(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Drill Directional Type Less Than 20,000 Lbs Pullback(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Drill Doctor And/or (bit Grinder)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators	Drill Mud Mixer(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Drill Oscillator(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Drill, Directinal Locator(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Driller, Percussion, Diamond, Core, Cable, Rotary & Similar Type(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Elevating Grader Operator, Tractor Towed Requiring Operator Or Grader(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Elevating Loader Operator (any Type)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Elevator To Move Personnel Or Materials(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Excavator Over 80,000 Lbs Through 130,000 Lbs(group 3)	\$50.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Excavator Operator, Over 20,000 Lbs Through 80,000 Lbs(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Excavator Operator, Over 130,000 Lbs(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Fireman(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Floating, Crane 350 Ton And Over (asst To Engineer And Deckhand Required)(group 1)	\$57.52	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Fork Lift(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Fork Lift, Over 10 Ton Or Robotic(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Generator Operator(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Grade Checker(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Grade Setter / Layout From Plans(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Grade-all(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Guardrail Machines, I.e. Punch, Auger, Etc.(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Guardrail Punch Oiler(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Hammer Operator (pile Driver) (group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Heavy Duty Repairman Assistant(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Heavy Equipment Robotics Operator Or Mechanic(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Helicopter Hoist(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Helicopter Radioman (ground) (group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Helicopter When Used In Erecting Workcrane(group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators	Hoist Operator, Single Drum(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Hoist, 2 Drums Or More(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Hoist, Stiff Leg, Guy Derrick Or Similar Type, 50 Ton And Over(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Hydraulic Backhoe Track Type Up To And Including 20,000 Lbs(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Hydraulic Backhoe Wheel Type (any Make)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Hydraulic Pipe Press(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Hydro Axe (loader Mounted Or Similar Type)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Hydrographic Seeder Machine Straw, Pulp Or Seed(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Hydrostatic Pump Operator(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Internal Full Slab Vibrator Operator(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Jack Operator, Elevating Barges, Barge Operator, Self-unloading (asst To Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Laser Screed(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Lattice Boom Crane 400 Ton And Over(group 1)	\$57.52	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Lime Spreader, Construction Job Site(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Loaders Operator, Front End & Overhead, 25,000 Lbs And Less Than 60,000 Lbs(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Loaders, 120,000 Lbs And Above(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Loaders, 60,000 Lbs And Less Than 120,000 Lbs(group 3)	\$50.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Loaders, Rubber-tire Type, Less Than 25,000 Lbs(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Log Skidders(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Master Environmental Maintenance Mechanic(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Material Handler(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Mechanic, Heavy Duty(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Mixer Box (c.t.b., Dry Batch, Etc.)(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Oiler(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators	Parts Man (tool Room)(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Pavement Grinder And Or Grooving Machine (riding Type)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Pile Driver Operator (not Crane Type) (asst To Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Pipe Bending, Cleaning, Doping And Wrapping Machines(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Pipe, Cast In Place Pipe Laying Machine(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Plant Oiler(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Pump (any Power)(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Pump Operator, More Than 5 Pumps (any Size)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rail, Ballast Compactor, Regulator Or Tamper Machines(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rail, Ballast Tamper Multi-purpose(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rail, Brakeman, Switchman, Motorman(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rail, Car Mover(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rail, Clip Applicator(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rail, High Rail Self Loader Truck(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rail, Lo-railer(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rail, Locomotive, 40 Ton And Over (asst To Engineer Required)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rail, Shuttle Car Operator(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rail, Speedswing(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rail, Switchman(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rail, Tamping Machine, Mechanical, Self-propelled(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rail, Track Liner(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Remote Controlled Earth Moving Equipment(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rigger(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Roller Grading (not Asphalt) (group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Rubber-tired Dozers And Pushers(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Scraper All Types(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators	Service Oiler (greaser)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Shovel, Dragline, Clamshell, 5 Yards And Over(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Side-boom(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Skip Loader, Drag Box(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Stump Grinder (loader Mounted Or Similar Type) (group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Surface Heater And Planer(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Sweeper Self-propelled, Construction Job Site(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Tar Pot Fireman (power Agitated) Or Not(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Tractor Rubber-tired, 50 Hp Flywheel & Under(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Tractor, Rubber-tired Over 50 Hp Flywheel(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Trenching Machine 3 Ft Depth And Deeper (asst To The Operator If Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Trenching Machine Operator, Maximum Digging Capacity 3 Ft Depth(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Truck Crane Oiler-driver(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Truck, All Terrain Or Track Type(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Truck, Barrel Type(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Truck, Boom(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Truck, Off-road Trucks, Articulated And Non-articulated Trucks(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Truck, Vacuum(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Truck, Water(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Tub Grinder(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Tunnel Boring Machine Mechanic(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Tunnel Boring Machine(group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Tunnel Segment Plant(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Tunnel Separation Plant(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Tunnel Shaef Loader(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Tunnel, Locomotive, Dinkey(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators	Tunnel, Micro Boring Tunnel Machine(group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Tunnel, Mucking Machine(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Tunnel, Power Jumbo Setting Slip Forms, Etc.(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Tunnel, Shield Operator(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Ultra High Pressure Water Jet Cutting Tool System Operator(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Underwater Equipment, Remote Or Otherwise(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Vacuum Blasting Machine Operator(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Water Pulls, Water Wagon(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Welder's Assistant(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Welder; Heavy Duty, Certified Or Not(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Welding Machine(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Wheel Excavation Any Size (grade Oiler Required)(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators	Wire Mat Or Brooming Machine(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Air Filtration Equipment(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant (any Type) (assistant Engineer Required) (group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Burner & Reconditioner (any Type), (asst To Engineer If Required) (group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Extrusion Machine Operator(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Paver (screed Man Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Pugmill (any Type) (group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Raker(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Roller (any Asphalt Mix)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Roto-mill, Pavement Profiler Under 8 Ft Lateral Cut(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Roto-mill, Pavement Profiler, 8 Ft Lateral Cut &	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>

		Over(group 2)				
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Roto-mill, Pavement Profiler, Groundman(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Screed(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Asphalt, Truck Mounted Spreader, With Screed(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Auger Oiler(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Auto Grader Or "trimmer" (grade Checker Required) (group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Back Filling Machine (assistant To Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Backhoe, Robotic, Track And Wheel Type Up To And Including 20,000 Lbs. With Any Attachments(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Band Wagons (in Conjunction With Whell Excavator)(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bell Man (any Type Of Comunication)(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Blade Any Type(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Blade, Robotic(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Boatman(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Boatman, Licensed(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bobcat, Skid Steer (< 1yd) (group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Boom Type Lifting Device, 5 Ton Capacity Or Less(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Boring Machine (asst To Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Broom Self-propelled, Construction Job Site(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bulldozer Operator, 20,000 Lbs Or Less, Or 100 Horse Or Less(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bulldozer Operator, Over 20,000 Lbs And More Than 100 Horse Up To 70,000 Lbs(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bulldozer Over 70,000 Lbs Up To And Including 120,000	\$50.54	<u>7B</u>	<u>1B</u>	<u>8D</u>

		Lbs(group 3)				
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bulldozer Over 120,000 Lbs And Above(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Bulldozer Robotic Equipment(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Cable-plow (any Type)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Cableway 25 Ton & Over(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Cableway Up To 25 Ton(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Canal Trimmer (grade Oiler Required)(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Cat Drill (john Henry)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Cement Pump(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Challenger(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Chip Spreading Machine(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Chippers (asst To Engineer If Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Churn Drill & Earth Boring Machine(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Combination Heavy Duty Mechanic-welder, When Required To Do Both(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Compactor Self Propelled Without Blade(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Compactor With Blade Self Propelled(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Compactor, Multi-engine(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Compactor, Robotic(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Compressor (any Power) 1,250 Cu Ft And Over Total Capacity(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Compressor Operator (any Power) Under 1,250 Cu Ft Total Capacity(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Batch Plant And/or Wet Mix (3 Units Or More) (group1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Batch Plant And/or Wet Mix Operator (1 & 2 Drums)(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Batch Plant Quality Control(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Breaker (assistant To Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Canal Line, Assistant To Engineer Required(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Curing Machine (riding Type)(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Diamond Head Profiler(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Paving Road Mixer(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Planer(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete Saw(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Automatic Slip Form Paver (asst To Engineer Required)(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Combination Mixer & Compressor Operator, Gunit Work(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Curb Machine Mechanical Berm, Curb And/or Curb And Gutter(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Finishing Machine(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Grout Plant(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Grouting Machine(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Joint Machine(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Mixer Mobile(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Mixer Single Drum Any Capacity(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Paving Machine 8' And Less (asst To Engineer Required)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Placing Boom(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Pump Truck(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Pump(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Pumpcrete Operator (any Type)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Reinforced Tank Banding Machine (asst To Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Slip Form Pumps, Power Driven Hydraulic Lifting Device For Concrete Forms(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Spreader(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Telebelt(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Concrete, Treated Base Roller Operator, Oiling(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Conveyor Operator Or Assistant(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Conveyored Material Hauler(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Bridge Locomotive, Gantry And Overhead(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Carry Deck(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Chicago Boom & Similar Types(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Floating (derrick Barge) 30 Ton But Less Than 150 Ton (asst To Engineer Required)(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Floating 150 Ton But Less Than 250 Ton (asst To Engineer Required) (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Floating 250 Ton And Over (asst To Engineer And Deckhand Required)(group 1)	\$55.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Floating Clamshell 3 Cu. Yds. & Over (fireman Or Diesel Electric Engineer Required)(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Floating Clamshell, Dragline Etc. Operator Under 3 Cu. Yds. Or Less Than 30 Ton (diesel-electric Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 200 Ton Through 399 Ton (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 50 Ton Through 89 Ton With Luffing Or Tower Attachment(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 50 Ton Through 89 Tons(group 3)	\$50.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Hydraulic 90 Ton Through 199 Ton With Luffing Or Tower Attachment (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-	Crane, Hydraulic 90 Ton	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>

	Underground Sewer & Water	Through 199 Ton(group 2)				
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Hydraulic Crane 200 Ton Through 300 Ton With Luffing Or Tower Attachment(group 1)	\$55.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Hydraulic Crane 400 Ton And Over(group 1)	\$57.52	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Hydraulic Crane Over 300 Ton Through 399 Ton With Luffer Or Tower Attachment(group 1)	\$57.52	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Hydraulic Under 50 Ton(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom 200 Ton Through 299 Ton, With Over 200' Boom(group 1)	\$55.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom 300 Ton Through 399 Ton(group 1)	\$55.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom 300 Ton Through 399 Ton, With Over 200' Boom(group 1)	\$57.52	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom 50 Ton Through 89 Ton With 150' Boom Or Less(group 3)	\$50.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom 50 Ton Through 89 Ton With Over 150' Boom	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom 90 Ton Through 199 Ton With 150' - 200' Boom(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom Under 50 Ton(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom, 200 Ton Through 299 Ton With 200' Boom Or Less (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Lattice Boom, 90 Ton Through 199 Ton With Over 200' Boom (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Shovel, Dragline Or Clamshell 3 Cu. Yds. But Less Than 5 Cu. Yds. (asst To Engineer Required)(group 3)	\$50.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Tower Crane With 175' Tower Or Less And With Less Than 200' Jib(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Tower Crane With Over 175' Tower Or Over 200' Jib (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators- Underground Sewer & Water	Crane, Tugger(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Whirley 90 Ton And Over (group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crane, Whirley Under 90 Ton(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crusher Feederman(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crusher Oiler(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Crusher Plant(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Deckhand(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Derrick Operator Under 100 Ton (two Operators Required When Swing Control Is Remote From Hoist)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Diesel-electric Engineer (plant Or Floating)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Directional Drill Over 20,000 Lbs Pullback(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill Assistant(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill Cat Operator(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill Directional Type Less Than 20,000 Lbs Pullback(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill Doctor And/or (bit Grinder)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill Mud Mixer(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill Oscillator(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Drill, Directinal Locator(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Driller, Percussion, Diamond, Core, Cable, Rotary & Similar Type(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Elevating Grader Operator, Tractor Towed Requiring Operator Or Grader(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Elevating Loader Operator (any Type)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Elevator To Move Personnel Or Materials(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Excavator Over 80,000 Lbs Through 130,000 Lbs(group 3)	\$50.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Excavator Operator, Over 20,000 Lbs Through 80,000 Lbs(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Excavator Operator, Over 130,000 Lbs(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Fireman(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Floating, Crane 350 Ton And Over (asst To Engineer And Deckhand Required)(group 1)	\$57.52	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Fork Lift(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Fork Lift, Over 10 Ton Or Robotic(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Generator Operator(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Grade Checker(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Grade Setter / Layout From Plans(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Grade-all(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Guardrail Machines, I.e. Punch, Auger, Etc.(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Guardrail Punch Oiler(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hammer Operator (pile Driver) (group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Heavy Duty Repairman Assistant(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Heavy Equipment Robotics Operator Or Mechanic(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Helicopter Hoist(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Helicopter Radioman (ground) (group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Helicopter When Used In Erecting Workcrane(group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hoist Operator, Single Drum(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hoist, 2 Drums Or More(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hoist, Stiff Leg, Guy Derrick Or Similar Type, 50 Ton And Over(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hydraulic Backhoe Track Type Up To And Including 20,000 Lbs(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hydraulic Backhoe Wheel Type (any Make)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hydraulic Pipe Press(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hydro Axe (loader Mounted Or Similar Type)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hydrographic Seeder Machine Straw, Pulp Or Seed(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Hydrostatic Pump Operator(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Internal Full Slab Vibrator Operator(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Jack Operator, Elevating Barges, Barge Operator, Self-unloading (asst To Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Laser Screed(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Lattice Boom Crane 400 Ton And Over(group 1)	\$57.52	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Lime Spreader, Construction Job Site(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Loaders Operator, Front End & Overhead, 25,000 Lbs And Less Than 60,000 Lbs(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Loaders, 120,000 Lbs And Above(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Loaders, 60,000 Lbs And Less Than 120,000 Lbs(group 3)	\$50.54	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Loaders, Rubber-tire Type, Less Than 25,000 Lbs(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Log Skidders(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Master Environmental Maintenance Mechanic(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Material Handler(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Mechanic, Heavy Duty(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Mixer Box (c.t.b., Dry Batch, Etc.)(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Oiler(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Parts Man (tool Room)(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Pavement Grinder And Or Grooving Machine (riding Type)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Pile Driver Operator (not Crane Type) (asst To Engineer Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Pipe Bending, Cleaning, Doping And Wrapping	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>

		Machines(group 4)				
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Pipe, Cast In Place Pipe Laying Machine(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Plant Oiler(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Pump (any Power)(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Pump Operator, More Than 5 Pumps (any Size)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Ballast Compactor, Regulator Or Tamper Machines(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Ballast Tamper Multi-purpose(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Brakeman, Switchman, Motorman(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Car Mover(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Clip Applicator(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, High Rail Self Loader Truck(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Lo-railer(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Locomotive, 40 Ton And Over (asst To Engineer Required)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Shuttle Car Operator(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Speedswing(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Switchman(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Tamping Machine, Mechanical, Self-propelled(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rail, Track Liner(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Remote Controlled Earth Moving Equipment(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rigger(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Roller Grading (not Asphalt) (group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Rubber-tired Dozers And Pushers(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Scraper All Types(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Service Oiler (greaser)(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Shovel, Dragline, Clamshell, 5 Yards And Over(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Side-boom(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Skip Loader, Drag Box(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Stump Grinder (loader Mounted Or Similar Type) (group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Surface Heater And Planer(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Sweeper Self-propelled, Construction Job Site(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tar Pot Fireman (power Agitated) Or Not(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tractor Rubber-tired, 50 Hp Flywheel & Under(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tractor, Rubber-tired Over 50 Hp Flywheel(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Trenching Machine 3 Ft Depth And Deeper (asst To The Operator If Required)(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Trenching Machine Operator, Maximum Digging Capacity 3 Ft Depth(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oil-driver(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck, All Terrain Or Track Type(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck, Barrel Type(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck, Boom(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck, Off-road Trucks, Articulated And Non-articulated Trucks(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck, Vacuum(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Truck, Water(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tub Grinder(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel Boring Machine Mechanic(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel Boring Machine(group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel Segment Plant(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel Separation Plant(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>

Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel Shaef Loader(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel, Locomotive, Dinkey(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel, Micro Boring Tunnel Machine(group 1)	\$53.57	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel, Mucking Machine(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel, Power Jumbo Setting Slip Forms, Etc.(group 5)	\$48.23	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Tunnel, Shield Operator(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Ultra High Pressure Water Jet Cutting Tool System Operator(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Underwater Equipment, Remote Or Otherwise(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Vacuum Blasting Machine Operator(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Water Pulls, Water Wagon(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Welder's Assistant(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Welder; Heavy Duty, Certified Or Not(group 4)	\$49.46	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Welding Machine(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Wheel Excavation Any Size (grade Oiler Required)(group 2)	\$51.68	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Equipment Operators-Underground Sewer & Water	Wire Mat Or Brooming Machine(group 6)	\$45.04	<u>7B</u>	<u>1B</u>	<u>8D</u>
Cowlitz	Power Line Clearance Tree Trimmers	Journey Level In Charge	\$45.75	<u>5A</u>	<u>4A</u>	
Cowlitz	Power Line Clearance Tree Trimmers	Spray Person	\$43.38	<u>5A</u>	<u>4A</u>	
Cowlitz	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$45.75	<u>5A</u>	<u>4A</u>	
Cowlitz	Power Line Clearance Tree Trimmers	Tree Trimmer	\$40.84	<u>5A</u>	<u>4A</u>	
Cowlitz	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$30.74	<u>5A</u>	<u>4A</u>	
Cowlitz	Refrigeration & Air Conditioning Mechanics	Journey Level	\$29.50		<u>1</u>	
Cowlitz	Residential Brick Mason	Journey Level	\$17.82		<u>1</u>	
Cowlitz	Residential Carpenters	Journey Level	\$23.49		<u>1</u>	
Cowlitz	Residential Cement Masons	Journey Level	\$12.00		<u>1</u>	
Cowlitz	Residential Drywall Applicators	Journey Level	\$31.73		<u>1</u>	

Cowlitz	Residential Drywall Tapers	Journey Level	\$12.00		<u>1</u>	
Cowlitz	Residential Electricians	JOURNEY LEVEL	\$25.81		<u>1</u>	
Cowlitz	Residential Glaziers	Journey Level	\$17.04		<u>1</u>	
Cowlitz	Residential Insulation Applicators	Journey Level	\$15.23		<u>1</u>	
Cowlitz	Residential Laborers	Journey Level	\$13.11		<u>1</u>	
Cowlitz	Residential Marble Setters	Journey Level	\$17.82		<u>1</u>	
Cowlitz	Residential Painters	Journey Level	\$19.29		<u>1</u>	
Cowlitz	Residential Plumbers & Pipefitters	Journey Level	\$17.50		<u>1</u>	
Cowlitz	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$9.47		<u>1</u>	
Cowlitz	Residential Sheet Metal Workers	Journey Level (Field or Shop)	\$12.13		<u>1</u>	
Cowlitz	Residential Soft Floor Layers	Journey Level	\$41.50	<u>7E</u>	<u>4F</u>	
Cowlitz	Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$12.00		<u>1</u>	
Cowlitz	Residential Stone Masons	Journey Level	\$17.82		<u>1</u>	
Cowlitz	Residential Terrazzo Workers	Journey Level	\$9.47		<u>1</u>	
Cowlitz	Residential Terrazzo/Tile Finishers	Journey Level	\$28.36		<u>1</u>	
Cowlitz	Residential Tile Setters	Journey Level	\$9.47		<u>1</u>	
Cowlitz	Roofers	Journey Level	\$21.43		<u>1</u>	
Cowlitz	Sheet Metal Workers	Journey Level (Field or Shop)	\$70.37	<u>7F</u>	<u>1E</u>	
Cowlitz	Sign Makers & Installers (Electrical)	Journey Level	\$16.88		<u>1</u>	
Cowlitz	Sign Makers & Installers (Non-Electrical)	Journey Level	\$15.10		<u>1</u>	
Cowlitz	Soft Floor Layers	Journey Level	\$41.50	<u>7E</u>	<u>4F</u>	
Cowlitz	Solar Controls For Windows	Journey Level	\$9.47		<u>1</u>	
Cowlitz	Sprinkler Fitters (Fire Protection)	Journey Level	\$52.93	<u>7J</u>	<u>1R</u>	
Cowlitz	Stage Rigging Mechanics (Non Structural)	Journey Level	\$13.23		<u>1</u>	
Cowlitz	Stone Masons	Journey Level	\$51.79	<u>5A</u>	<u>1B</u>	
Cowlitz	Street And Parking Lot Sweeper Workers	Journey Level	\$15.00		<u>1</u>	
Cowlitz	Surveyors	All Classifications	\$24.21	<u>Null</u>	<u>1</u>	
Cowlitz	Telecommunication Technicians	Journey Level	\$17.00		<u>1</u>	
Cowlitz	Telephone Line Construction - Outside	Cable Splicer	\$36.96	<u>5A</u>	<u>2B</u>	
Cowlitz	Telephone Line Construction - Outside	Hole Digger/Ground Person	\$20.49	<u>5A</u>	<u>2B</u>	
Cowlitz	Telephone Line Construction - Outside	Installer (Repairer)	\$35.40	<u>5A</u>	<u>2B</u>	
Cowlitz	Telephone Line Construction -	Special Aparatus Installer I	\$36.96	<u>5A</u>	<u>2B</u>	

	Outside					
Cowlitz	Telephone Line Construction - Outside	Special Apparatus Installer II	\$36.19	<u>5A</u>	<u>2B</u>	
Cowlitz	Telephone Line Construction - Outside	Telephone Equipment Operator (Heavy)	\$36.96	<u>5A</u>	<u>2B</u>	
Cowlitz	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$34.34	<u>5A</u>	<u>2B</u>	
Cowlitz	Telephone Line Construction - Outside	Telephone Lineperson	\$34.34	<u>5A</u>	<u>2B</u>	
Cowlitz	Telephone Line Construction - Outside	Television Groundperson	\$19.45	<u>5A</u>	<u>2B</u>	
Cowlitz	Telephone Line Construction - Outside	Television Lineperson/Installer	\$25.89	<u>5A</u>	<u>2B</u>	
Cowlitz	Telephone Line Construction - Outside	Television System Technician	\$30.97	<u>5A</u>	<u>2B</u>	
Cowlitz	Telephone Line Construction - Outside	Television Technician	\$27.77	<u>5A</u>	<u>2B</u>	
Cowlitz	Telephone Line Construction - Outside	Tree Trimmer	\$34.34	<u>5A</u>	<u>2B</u>	
Cowlitz	Terrazzo Workers	Journey Level	\$46.17	<u>5A</u>	<u>1B</u>	
Cowlitz	Tile Setters	Journey Level	\$46.17	<u>5A</u>	<u>1B</u>	
Cowlitz	Tile, Marble & Terrazzo Finishers	Journey Level	\$30.26		<u>1</u>	
Cowlitz	Traffic Control Stripers	Journey Level	\$44.51	<u>7P</u>	<u>1K</u>	
Cowlitz	Truck Drivers	Asphalt Mix Dump Truck	\$37.34	<u>5A</u>	<u>1H</u>	
Cowlitz	Truck Drivers	Asphalt Mix Dump Truck & Trailer	\$37.54	<u>5A</u>	<u>1H</u>	
Cowlitz	Truck Drivers	Dump Truck	\$19.70		<u>1</u>	
Cowlitz	Truck Drivers	Dump Truck And Trailer	\$19.70		<u>1</u>	
Cowlitz	Truck Drivers	Other Trucks	\$28.05		<u>1</u>	
Cowlitz	Truck Drivers	Transit Mixer	\$27.68		<u>1</u>	
Cowlitz	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	\$11.15		<u>1</u>	
Cowlitz	Well Drillers & Irrigation Pump Installers	Oiler	\$10.00		<u>1</u>	
Cowlitz	Well Drillers & Irrigation Pump Installers	Well Driller	\$17.97		<u>1</u>	

PART 1 -- GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.
- C. The most current Schedule of Washington State Prevailing Wage Rates for Pacific County is included in Section 00 73 46 except as amended or superseded by new current Prevailing Wage Rates, Codes, Laws, or other Governing Authorities.

1.02 REQUIREMENTS

- A. In accordance with Section 00 73 43 and Revised Code of Washington (RCW) 39.12.040, Contractor and subcontractors shall pay employees for each trade or occupation, performing work, not less than the minimum, current Prevailing Wage Rate and shall comply in all respects to this or other requirements as defined by Washington State Department of Labor & Industries.
- B. Intent to Pay Prevailing Wages: Before payment is made by or on behalf of Owner of any sum or sums due on account of the contract, the contractor and subcontractors must submit a "Statement of Intent to Pay Prevailing Wages" to the Owner. The statement of intent to pay prevailing wages shall include:
 - 1. The contractor's registration certificate number
 - 2. The prevailing rate of wage for each classification of workers entitled to prevailing wages under RCW 39.12.020 and the estimated number of workers in each classification.
- C. The Owner will designate its representative to whom the Statement of Intent to Pay Prevailing Wages shall be submitted.
- D. The Statement of Intent to Pay Prevailing Wages shall be in a format approved by Department of Labor and Industry's Industrial Statistician
 - 1. Submit every Statement of Intent to Pay Prevailing Wages for each subcontractor that performed the work with each Applications for Payment and before payment is made.
- E. In accordance with Section 00 73 46.19 and RCW 39.12.040(2)(b), at conclusion of Project, Contractor and subcontractors shall submit to Owner "Affidavit of Wages Paid," as approved by Department of Industry's "industrial statistician," before Owner will release retainage and interest withheld.

PART 2 – PRODUCTS

- A. The form approved by the Washington State Department of Labor and Industries follows the Section.

PART 3 – EXECUTION

NOT USED

END OF SECTION



STATEMENT OF INTENT TO PAY PREVAILING WAGES

Public Works Contract
\$40.00 Filing Fee Required

- This form **must** be typed or printed in ink.
- **Fill in all blanks or the form will be returned for correction (see instructions).**
- Please allow a **minimum** of 10 working days for processing.
- Once approved, your form will be posted online at
<https://fortress.wa.gov/lni/pwipub/SearchFor.asp>

Intent ID # (Assigned by L&I) _____

Your Company Information		
Your Company Name		
Your Address		
City	State	Zip+4
Your Contractor Registration Number	Your UBI Number	
Your Industrial Insurance Account Number		
Your Email Address (required for notification of approval)	Your Phone Number	
Additional Details		
Your Expected Job Start Date (mm/dd/yyyy)		
Job Site Address/Directions		
ARRA Funds		
Does this project utilize American Recovery and Reinvestment Act (ARRA) funds? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Prime Contractor's Company Information		
Prime Contractor's Company Name	Prime Contractor's Intent Number	
Prime Contractor's Registration Number	Prime Contractor's UBI Number	
Employment Information		
Do you intend to use ANY subcontractors?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Will employees perform work on this project?
Will ALL work be subcontracted?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Do you intend to use apprentice employees?
Number of Owner/Operators who own at least 30% of the company who will perform work on this project: <input type="checkbox"/> None (0) <input type="checkbox"/> One (1) <input type="checkbox"/> Two (2) <input type="checkbox"/> Three (3)		
Crafts/Trades/Occupations – (Do not list apprentices. They are listed on the Affidavit of Wages Paid only.) If an employee works in more than one trade, ensure that all hours worked in each trade are reported below. For additional crafts/trades/occupations please use Addendum A.		
	Number of Workers	Rate of Hourly Pay
		Rate of Hourly Usual ("Fringe") Benefits
Signature Block		
I hereby certify that I have read and understand the instructions to complete this form and that the information, including any addenda, are correct and that all workers I employ on this Public Works Project will be paid no less than the Prevailing Wage Rate(s) as determined by the Industrial Statistician of the Department of Labor and Industries.		
Print Name:	Print Title:	Signature:
Date:		
For L&I Use Only		
Approved by signature of the Department of Labor and Industries Industrial Statistician		



STATEMENT OF INTENT TO PAY PREVAILING WAGES

Public Works Contract
\$40.00 Filing Fee Required

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- **Fill in all blanks or the form will be returned for correction (see instructions).**
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Intent ID # (Assigned by L&I) _____

Your Company Information 1			Awarding Agency Information 2		
Your Company Name			Project Name		Contract Number
Your Address			Awarding Agency		
City	State	Zip+4	Awarding Agency Address		
Your Contractor Registration Number	Your UBI Number		City	State	Zip+4
Your Industrial Insurance Account Number			Awarding Agency Contact Name		Phone Number
Your Email Address (required for notification of approval)		Your Phone Number	County Where Work Will Be Performed		City Where Work Will Be Performed
Additional Details 3			Contract Details 4		
Your Expected Job Start Date (mm/dd/yyyy)			Bid Due Date (Prime Contractor's)		Award Date (Prime Contractor's)
Job Site Address/Directions			Total Dollar Amount of Your Contract (including sales tax) or indicate time and materials, if applicable. \$		<input type="checkbox"/> T&M
ARRA Funds 5			Weatherization or Energy Efficient Funds		
Does this project utilize American Recovery and Reinvestment Act (ARRA) funds? <input type="checkbox"/> Yes <input type="checkbox"/> No			Does this project utilize any weatherization or energy efficiency upgrade funds (ARRA or otherwise)? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Prime Contractor's Company Info 6			Hiring Contractor's Company 7 tion		
Prime Contractor's Company Name		Prime Contractor's Intent Number	Hiring Contractor's Company Name		
Prime Contractor's Registration Number		Prime Contractor's UBI Number	Hiring Contractor's Contractor Registration Number		Hiring Contractor's UBI Number
Employment Information 8					
Do you intend to use ANY subcontractors?		<input type="checkbox"/> Yes <input type="checkbox"/> No	Will employees perform work on this project?		<input type="checkbox"/> Yes <input type="checkbox"/> No
Will ALL work be subcontracted?		<input type="checkbox"/> Yes <input type="checkbox"/> No	Do you intend to use apprentice employees?		<input type="checkbox"/> Yes <input type="checkbox"/> No
Number of Owner/Operators who own at least 30% of the company who will perform work on this project: <input type="checkbox"/> None (0) <input type="checkbox"/> One (1) <input type="checkbox"/> Two (2) <input type="checkbox"/> Three (3)					
Crafts/Trades/Occupations – (Do not list apprentices. They are listed on the Affidavit of Wages Paid only.) If an employee works in more than one trade, ensure that all hours worked in each trade are reported below. For additional crafts/trades/occupations please use Addendum A.			Number of Workers	Rate of Hourly Pay	Rate of Hourly Usual ("Fringe") Benefits
9			10	11	12
Signature Block					
I hereby certify that I have read and understand the instructions to complete this form. That the information, including any addendum(s), are correct and that all workers I employ on this Public Works Project will be paid no less than the Prevailing Wage Rate(s) as determined by the Industrial Statistician of the Department of Labor and Industries.					
Print Name:		Print Title:		Signature:	
				Date:	
For L&I Use Only					
Approved by the Department of Labor and Industries Industrial Statistician					



INSTRUCTIONS
STATEMENT OF INTENT TO PAY
PREVAILING WAGES
FOR PUBLIC WORKS CONTRACTS

COMPLETE ALL FIELDS ON THE FORM

The numbered blocks in the following instructions correspond to the numbered Statement of Intent to Pay Prevailing Wage above. In addition a completed sample form (without numbers) is included at the end of these instructions.

1

Your Company Information - Enter the following information:

- a) Your **Company Name** and **Address**.
- b) Your **Contractor Registration Number** – You can verify this number at:
<https://fortress.wa.gov/lni/bbip/Search.aspx>.
- c) Your **UBI Number** (Unified Business Identifier) – This 9-digit number registers you with several state agencies and allows you to do business in Washington. You can verify this number at:
<https://fortress.wa.gov/dol/dolprod/bpdLicenseQuery/>.
- d) Your **Industrial Insurance Account Number** – You can verify this number at:
<https://fortress.wa.gov/lni/crpsi/MainMenu.aspx?MessageId=2001>.
- e) Please provide your **Email Address** so that L&I can notify you of form approval and/or any required corrections. If you do not provide this information, L&I will use standard mail to send you correction notices. You can access approved forms at: <https://fortress.wa.gov/lni/pwipub/SearchFor.asp>. No notice of approval will be mailed.
- f) Your company **Phone Number**.

2

Awarding Agency Information – Enter the following information regarding the agency that awarded the contract. This information is available from the Prime Contractor:

- a) **Project Name** – This is the name the Awarding Agency assigned to the project.
- b) **Contract Number** – This is the number the Awarding Agency assigned to the project.
- c) **Awarding Agency** – This is the name of the agency that awarded the contract.
- d) Please enter the **Street Address, City, State** and **Zip+4** for the Awarding Agency.
- e) **Awarding Agency Contact Name and Phone Number** – Enter the name and phone number of the person the Prime Contractor communicates with at the Awarding Agency.
- f) **County Where Work Will Be Performed** – Enter the name of the county where the work will be performed. If the work will be performed in multiple counties, include the names of all counties where work will be performed.
- g) **City Where Work Will Be Performed** – Enter the name of the city where the work will be performed. If the work will be performed outside the limits of any city, or in multiple cities, include the name of the nearest city.

3

Additional Details

- a) **Your Expected Job Start Date** – This is the date that you expect to begin work on the project.
- b) **Job Site Address/Directions** – Enter the specific address of the project or provide brief details regarding the location of the site, if no specific address exists.

Contract Details

- a) **Bid Due Date** – Enter the date the **Prime Contractor** had to submit the bid to the Awarding Agency for this project (mm/dd/yyyy).
 - **What if my contract was not bid?** – If the contract you will be working under was not required to be bid, you will enter the date the contract was awarded.
- b) **Award Date** – This is the date the awarding agency awarded the contract to the **Prime Contractor** (mm/dd/yyyy).
- c) **Indicate the Total Dollar Amount of Your Contract** – Enter the dollar amount of **your** contract, including the applicable sales tax. If this is a “time and materials” contract, please indicate this by checking the box next to “T&M.”

ARRA & Weatherization Funding Questions – Enter the information regarding the source of funds. This information should be obtained from the Awarding Agency or the Prime Contractor.

- a) Does this project utilize American Recovery and Reinvestment Act (ARRA) funds?
- b) Does this project utilize any weatherization or energy efficiency upgrade funds (ARRA or otherwise)?

Prime Contractor's Company Information – Enter the information about the contractor who has the direct contract with the Awarding Agency:

- a) **Prime Contractor's Company Name** – Enter the Prime Contractor's company name.
- b) **Prime Contractor's Intent ID Number** – Enter the Prime Contractor's Approved Intent ID Number.
- c) **Prime Contractor's Registration Number** – Enter the Contractor Registration Number for the Prime Contractor. You can verify the number at: <https://fortress.wa.gov/lni/bbip/Search.aspx>.
- d) **Prime Contractor's UBI Number** – Enter the UBI number for the Prime Contractor. You can verify this number at: <https://fortress.wa.gov/dol/dolprod/bpdLicenseQuery/>.

Hiring Contractor's Company Information – Enter the information about the Hiring Contractor. This is the contractor who hired or contracted your firm to perform work on this project:

- a) **Hiring Contractor's Company Name** – Enter the company name of the contractor who hired or contracted with your firm to perform work on this project.
- b) **Hiring Contractor's Registration Number** – Enter the Contractor Registration Number for the contractor who hired you. You can verify the number at: <https://fortress.wa.gov/lni/bbip/Search.aspx>.
- c) **Hiring Contractor's UBI Number** – Enter the UBI Number for the contractor who hired you. You can verify this number at: <https://fortress.wa.gov/dol/dolprod/bpdLicenseQuery/>.

Employment Information – Enter information about the individuals who will perform work on this project:

- a) **Do you intend to use subcontractors?** – If **PART** of the work will be performed by subcontractors you will hire, check the “Yes” box.
- b) **Will employees perform work on this project?** - If employees, including apprentices, will perform any work on the project, check the “Yes” box and list each employee's applicable craft/trade/occupation. Do not list the actual apprentice, just the craft/trade/occupation the apprentice will be working in. Also, please note the information regarding apprentices in “d” below. **If you choose “No” and this changes later, you certify that you will submit a new Intent form listing workers.**
- c) **Will ALL work be subcontracted?** – If **ALL** work will be performed by subcontractors, check the “Yes” box.
- d) **Do you intend to use apprentice employees?** – If you plan to employ apprentices on this project please be aware:
 - Any workers **NOT** registered with the Washington State Apprenticeship and Training Council (WSATC) must be paid the correct journey-level prevailing rate of wage.
 - Any apprentice **NOT** registered with the WSATC within 60 days of hiring must be paid at the correct journey-level prevailing rate of wage for the time preceding the date of registration.

- You **must** be a registered training agent with the WSATC in order to pay a registered apprentice less than journey-level prevailing rate of wage.
 - To verify apprenticeship and/or registered training agent status call (360) 902-5324.
- e) **Number of Owners/Operators who own at least 30% of the company who will perform work on this project** – Indicate the number of Owners/Operator(s) who will perform work on this project. If no 30%+ Owners/Operators will perform work on the project, check the box “None”.



Crafts/Trades/Occupations – List each craft/trade/occupation of all workers you plan to employ on this project.

❖ **Crafts/Trades/Occupations**

If you indicated above that Owners/Operators will work on this project, and you also indicated above that no employees will perform work on the project, or **ALL** work will be subcontracted, then you do not need to fill in this section. (Individuals who own less than 30% of the company are not considered to be Owners/Operators, and must be listed as employees and paid the correct prevailing rate of wage.)

Use **Addendum A** for additional Crafts/Trades/Occupations that will not fit on this form.

Residential Construction – If you are using any residential classifications (e.g. Residential Carpenter, Residential Laborer, etc.) you must provide information regarding the following questions, on **Addendum C**, in order for L&I to determine if residential rates are being utilized appropriately:

1. Did the Awarding Agency, in compliance with RCW 39.12.030, determine that the project/work contracted for meets the definition of residential construction?
2. Please indicate the type of structure (e.g. single-family dwelling, duplex, apartment, condominium or other residential structure).
3. Including any basement or garage, how many stories or levels does the structure have?
4. What is the facility used for? - Answer “yes” or “no” to each of the following options:
 - a. Permanent residence only?
 - b. Rehabilitation house?
 - c. Transitional housing?
 - d. Communal dining facility?
 - e. Treatment services?
 - f. Counseling?
 - g. Other?
5. Does each dwelling unit have its own full, self-contained kitchen?
6. Does each dwelling unit have its own full bathroom?
7. Is there a community facility or manager’s office on site?
8. Is any part of the facility used by members of the public?

Landscape Construction – If you are using “Landscape Construction” or any of the sub-classifications within Landscape Construction (e.g., Landscape or Planting Laborer, Irrigation or Lawn Sprinkler Installers, or Landscape Equipment Operators or Truck Drivers) you must provide information on **Addendum C** regarding the following aspects of the work in order for L&I to determine if you are appropriately applying Landscape Construction rates:

1. The beautification of a plot of land through addition of or modification to lawns, trees and bushes under the Landscape Construction Scope of Work (WAC 296-127-01346) is a limited universe and has exclusions that may affect its application. Please provide L&I with the following information so we can verify whether the landscape construction wage rates apply to this project.
 - a. Please describe the whole project – not just your part.
 - b. Please describe your part(s) of the project – the tasks you performed, equipment used, and tools used. Please provide as much detail as you can.

- c. If the project involves installing an irrigation system, trenching, installing French drains or other subsurface water collection systems, or spreading top soil or mulch, please tell us the relevant depths.
2. If Operating Engineers and/or Truck Drivers will be used in addition to Landscape Construction, describe the type of equipment used, and list the size or rated capacity of the equipment.

10

Number of Workers – Enter the number of journey-level workers you plan to employ on this project for that craft/trade/occupation.

11

Rate of Hourly Pay – Enter the rate of hourly pay as defined by RCW 39.12.010, that you will actually pay the worker(s) for that craft/trade/occupation. The amount listed for “Rate of Hourly Pay” plus the amount listed for the “Rate of Hourly Fringe Benefits,” if any, must equal or exceed the applicable prevailing rate of wage.

12

Rate of Hourly Usual (“Fringe”) Benefits – Enter the rate of hourly Usual (“fringe”) Benefits for that craft/trade/occupation. This is the cost of usual benefits, as defined by RCW 39.12.010, that you will actually pay the worker(s). The amount listed for “Rate of Hourly Pay” plus the amount listed for “Rate of Hourly Usual (“Fringe”) Benefits,” if any, must equal or exceed the applicable prevailing rate of wage.

If there is not enough space to list all required information on one form, use the appropriate Addendum as needed. No additional fee is required for using Addendums to the form. No other attachments will be accepted.

L&I’s approval of your Statement of Intent to Pay Prevailing Wages is based on the information you provide. Approval of the form does not signify that the classifications of labor you listed on the form are the correct classifications of work for the tasks performed on the public works project. It is your responsibility to pay workers the prevailing rate of wage for the classification of work that correctly applies to the actual work they perform.

Be sure to include your email address on the form. **If you do not provide this information, L&I will use standard mail to send you correction notices. You will be able to access approved forms at:**

<https://fortress.wa.gov/lni/pwipub/SearchFor.asp> (No notice of approval will be mailed).

MAILING INSTRUCTIONS

*You must mail the completed and signed form with **original signature** (a photocopy of a signature will **not** be accepted) with the \$40 filing fee to:*

**Management Services
Department of Labor & Industries
Prevailing Wage Program
PO Box 44835
Olympia, WA 98504-4835**

FURTHER INFORMATION

Make checks payable to:

Department of Labor and Industries

*If you have questions or would like assistance in completing the form, please call us at **(360) 902-5335** or email the Prevailing Wage office at pw1@lni.wa.gov.*

Prevailing wage rates are available on the Internet at:

<http://www.lni.wa.gov/TradesLicensing/PrevWage/WageRates/default.asp>



STATEMENT OF INTENT TO PAY PREVAILING WAGES

Public Works Contract
\$40.00 Filing Fee Required

- This form **must** be typed or printed in ink.
- **Fill in all blanks or the form will be returned for correction (see instructions).**
- Please allow a **minimum** of 10 working days for processing.
- Once approved, your form will be posted online at <https://fortress.wa.gov/lni/pwipub/SearchFor.asp>

Intent ID # (Assigned by L&I) _____

Your Company Information				Awarding Agency Information			
Your Company Name ABC Company, Inc.				Project Name Road Repair		Contract Number 2011-01B	
Your Address 1234 Main Street				Awarding Agency WA State Department of Transportation			
City Olympia		State WA		Zip+4 98501-1234		Awarding Agency Address PO Box 47354	
Your Contractor Registration Number ABCCI*0123AA		Your UBI Number 123456789		City Olympia		State WA	
Your Industrial Insurance Account Number 111,111-11				Awarding Agency Contact Name John Doe		Phone Number (555) 555-5555	
Your Email Address (required for notification of approval) prevailingwage@lni.wa.gov		Your Phone Number (555) 555-5555		County Where Work Will Be Performed Thurston		City Where Work Will Be Performed Olympia	
Additional Details				Contract Details			
Your Expected Job Start Date (mm/dd/yyyy) 01/01/2011				Bid Due Date (Prime Contractor's) 08/01/2010		Award Date (Prime Contractor's) 08/10/2010	
Job Site Address/Directions State Street @ Plum Street				Indicate Total Dollar Amount of Your Contract (including sales tax) or time and materials, if applicable. \$1000.00			
ARRA Funds				Weatherization or Energy Efficient Funds			
Does this project utilize American Recovery and Reinvestment Act (ARRA) funds? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Does this project utilize any weatherization or energy efficiency upgrade funds (ARRA or otherwise)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Prime Contractor's Company Information				Hiring Contractor's Company Information			
Prime Contractor's Company Name XYZ Company, Inc.		Prime Contractor's Intent Number 123456		Hiring Contractor's Company Name Super Pavers, Inc.			
Prime Contractor's Registration Number XYZIN*0123AA		Prime Contractor's UBI Number 987654321		Hiring Contractor's Contractor Registration Number SUPERPA123AA		Hiring Contractor's UBI Number 321456987	
Employment Information							
Do you intend to use ANY subcontractors?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Will employees perform work on this project?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Will ALL work be subcontracted?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Do you intend to use apprentice employees?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Number of Owner/Operators who own at least 30% of the company who will perform work on the project: <input type="checkbox"/> None (0) <input checked="" type="checkbox"/> One (1) <input type="checkbox"/> Two (2) <input type="checkbox"/> Three (3)							
Crafts/Trades/Occupations – (Do not list apprentices. They are listed on the Affidavit of Wages Paid only.) If an employee works in more than one trade, ensure that all hours worked in each trade are reported below. For additional crafts/trades/occupations please use Addendum A.				Number of Workers		Rate of Hourly Pay	
Laborer - Asphalt Raker				2		39.28	
Power Equipment Operator - Asphalt Plant Operator				1		48.04	
Truck Driver - Asphalt Mix (over 16 Yds)				1		46.47	
						0.00	
Signature Block							
I hereby certify that I have read and understand the instructions to complete this form and that the information, including any addenda, are correct and that all workers I employ on this Public Works Project will be paid no less than the Prevailing Wage Rate(s) as determined by the Industrial Statistician of the Department of Labor and Industries.							
Print Name:		Print Title:		Signature:		Date:	
For L&I Use Only							
Approved by signature of the Department of Labor and Industries Industrial Statistician							

PART 1 -- GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.
- C. The most current Schedule of Washington State Prevailing Wage Rates for Pacific County is included in Section 00 73 46 except as amended or superseded by new current Prevailing Wage Rates, Codes, Laws, or other Governing Authorities.

1.02 REQUIREMENTS

- A. In accordance with Section 00 73 43 and Revised Code of Washington (RCW) 39.12.040, Contractor and subcontractors shall pay employees for each trade or occupation, performing work, not less than the minimum, current Prevailing Wage Rate and shall comply in all respects to this or other requirements as defined by Washington State Department of Labor & Industries.
- B. Affidavit of Wages Paid: Submit to Owner prior to Final Acceptance of the Work affidavits of wages paid by Contractor and Subcontractors. Upon receipt of the affidavits of wages paid, the Owner may pay the contractor or subcontractor in full, including funds that would otherwise be retained according to the provisions of RCW 60.28.011.
 - 1. Within thirty days of receipt of the affidavit of wages paid, the Owner shall submit the affidavit of wages paid to the industrial statistician of the department of labor and industries for approval.
- C. The Owner will designate its representative to whom the Affidavit of Wages Paid shall be submitted.
- D. The Affidavit of Wages Paid shall be in a format approved by Department of Labor and Industry's Industrial Statistician

PART 2 – PRODUCTS

- A. The form approved by the Washington State Department of Labor and Industries follows the Section.

PART 3 – EXECUTION

NOT USED

END OF SECTION

Public Works Contract
\$40.00 Filing Fee Required

- This form **must** be typed or printed in ink.
- **Fill in ALL blanks or the form will be returned for correction (see instructions).**
- Please allow a **minimum** of 10 business days for processing.
- Once approved, your form will be posted online at:
<https://fortress.wa.gov/lni/pwiapub/SearchFor.asp>

F700-007-000 Affidavit of Wages Paid 3-2011



AFFIDAVIT OF WAGES PAID

Public Works Contract
\$40.00 Filing Fee Required

Affidavit ID # (Assigned by L&I): _____

- This form **must** be typed or printed in ink.
- **Fill in ALL blanks or the form will be returned for correction (see instructions).**
- Please allow a **minimum** of 10 working days for processing.
- Once approved, your form will be posted online at <https://fortress.wa.gov/lni/pwipub/SearchFor.asp>

Your Company Information				Awarding Agency Information									
Your Company Name		1		Project Name		2		Contract Number					
Your Address				Awarding Agency									
City		State		Zip+4		Awarding Agency Address							
Your Contractor Registration Number		Your UBI Number		City		State		Zip+4					
Your Industrial Insurance Account Number				Awarding Agency Contact Name		Phone Number							
Your Email Address (required for notification of approval)		Your Phone Number		County Where Work Was Performed		City Where Work Was Performed							
3				4									
Your Job Start Date (mm/dd/yyyy)		Your Date Work Completed (mm/dd/yyyy)		Bid Due Date (Prime Contractor's)		Award Date (Prime Contractor's)							
Job Site Address/Directions		Your Approved Intent ID #		Indicate Total Dollar Amount of Your Contract (including sales tax).		\$							
EHB 2805 (RCW 39.04.370) - Prime Contractor's Contract at a cost of over one million dollars (\$1,000,000)?		5		<input type="checkbox"/> Yes <input type="checkbox"/> No		If you answered "Yes" to the EHB 2805 question and the Award Date is 9/1/2010 or later you must complete and submit the EHB 2805 (RCW 39.04.370) Addendum.							
ARRA Funds				Weatherization or Energy Efficient Funds									
Does this project utilize American Recovery and Reinvestment Act (ARRA) funds?				6		Does this project utilize any weatherization or energy efficiency upgrade funds ARRA or otherwise?							
<input type="checkbox"/> Yes <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No							
7				8									
Prime Contractor's Company Information				Hiring Contractor's Company Information									
Prime Contractor's Company Name		Prime Contractor's Registration Number		Prime Contractor's UBI Number		Hiring Contractor's Company Name		Hiring Contractor's Registration Number		Hiring Contractor's UBI Number			
9													
Employment Information													
Did you use ANY subcontractors?		<input type="checkbox"/> Yes (Addendum B Required) <input type="checkbox"/> No		Did employees perform work on this project?		<input type="checkbox"/> Yes <input type="checkbox"/> No							
Was ALL work subcontracted?		<input type="checkbox"/> Yes (Addendum B Required) <input type="checkbox"/> No		Did you use apprentice employees?		<input type="checkbox"/> Yes <input type="checkbox"/> No							
Number of Owner/Operators who own at least 30% of the company who performed work on this project: You must list the First and Last Name(s) of any Owner/Operator performing work below				None (0)		One (1)		Two (2)		Three (3)			
List your Crafts/Trades/Occupations Below - For Journey Level Workers you must provide all of the information below. Owner/Operators - must provide their First and Last name no other information required. **Apprentices are not recorded below. You must use Addendum D to list Apprentices.				Number of Workers		Total # of Hours Worked		Rate of Hourly Pay		Rate of Hourly Usual ("Fringe") Benefits			
10				11		12		13		14			
Signature Block													
I hereby certify that I have read and understand the instructions to complete this form and that the information on the form and any addenda is correct and that all workers I employed on this Public Works Project were paid no less than the Prevailing Wage Rate(s) as determined by the Industrial Statistician of the Department of Labor and Industries.													
Print Name:				Print Title:				Signature:				Date:	
For L&I Use Only													
APPROVED: Department of Labor and Industries													
By Industrial Statistician													



INSTRUCTIONS
AFFIDAVIT OF WAGES PAID FOR
PUBLIC WORKS CONTRACTS

COMPLETE ALL FIELDS ON THE FORM

The numbered blocks in the following instructions correspond to the numbered blocks on the numbered Affidavit of Wages Paid above. In addition, a completed sample form (without numbers) is included at the end of these instructions.

1

Your Company Information – Enter the following information:

- a) Your **Company Name** and **Address**.
- b) Your **Contractor Registration Number** – You can verify this number at:
<https://fortress.wa.gov/lni/bbip/Search.aspx>.
- c) Your **UBI Number** (Unified Business Identifier) – This 9-digit number registers you with several state agencies and allows you to do business in Washington. You can verify this number at:
<https://fortress.wa.gov/dol/dolprod/bpdLicenseQuery/>.
- d) Your **Industrial Insurance Account Number** – You can verify this number at:
<https://fortress.wa.gov/lni/crpsi/MainMenu.aspx?MessageId=2001>
- e) Please provide your **Email Address** so that L&I can notify you of form approval and/or any required corrections. If you do not provide this information, L&I will use standard mail to send you correction notices. You can access approved forms at: <https://fortress.wa.gov/lni/pwipub/SearchFor.asp>. No notice of approval will be mailed.
- f) Your company **Phone Number**.

2

Awarding Agency Information – Enter the following information regarding the agency that awarded the contract. This information is available from the Prime Contractor:

- a) **Project Name** – This is the name the Awarding Agency assigned to the project.
- b) **Contract Number** – This is the number the Awarding Agency assigned to the project.
- c) **Awarding Agency** – This is the name of the agency that awarded the contract.
- d) Please enter the **Street Address, City, State** and **Zip+4** of the Awarding Agency.
- e) **Awarding Agency Contact Name and Phone Number** – Enter the name and phone number of the person the Prime Contractor communicates with at the Awarding Agency.
- f) **County Where Work Was Performed** – Enter the name of the county where the work was performed. If the work was performed in multiple counties, include the names of all counties where work was performed.
- g) **City Where Work Was Performed** – Enter the name of the city where the work was performed. If the work was performed outside the limits of any city, or in multiple cities, include the name of the nearest city.

3

Additional Details

- a) **Your Job Start Date** – This is the date that you began work on the project.
- b) **Your Date Work Completed** – This is the date you completed work on the project. You cannot have a date in the future.
- c) **Job Site Address/Directions** – Enter the specific address of the project or provide brief details regarding the location of the site, if no specific address exists.
- d) **Your Approved Intent ID #** – Enter the 6-digit number, assigned by L&I, from the approved Intent form filed for this project.

4

Contract Details

- a) **Bid Due Date** – Enter the date the **Prime Contractor** had to submit a bid to the Awarding Agency for this project (mm/dd/yyyy).
 - **What if my contract was not bid?** – If the contract you are working under was not required to be bid, you will enter the date the contract was awarded.
- b) **Award Date** – This is the date the Awarding Agency awarded the contract to the Prime Contractor (mm/dd/yyyy).
- c) **Indicate the Total Dollar Amount of Your Contract** – Enter the total amount of **your** contract, including the applicable sales tax. You must enter the final amount of your contract. You cannot enter Time and Materials on an Affidavit of Wages Paid.

5

EHB 2805 (RCW 39.04.370) - F700-164-000 is an addendum to your Affidavit of Wages Paid Form. RCW 39.04.370 requires you to complete form F700-164-000 for contracts entered into between September 1, 2010 and December 31, 2013 if the Prime's contract is at a cost of over one million dollars (\$1,000,000). If you fail to properly provide the requested information more than one time between September 1, 2010 and December 31, 2013, pursuant to RCW 39.04.350(1)(f) you will not be considered a responsible bidder qualified to be awarded a public works project. Use as many of these forms as you need in order to provide the requested information for all relevant project items. This is an addendum to form F700-007-000.

6

ARRA & Weatherization Funding Questions – Enter the information regarding the source of funds. This information should be obtained from the Awarding Agency or the Prime Contractor.

- a) Does this project utilize American Recovery and Reinvestment Act (ARRA) funds?
- b) Does this project utilize any weatherization or energy efficiency upgrade funds (ARRA or otherwise)?

7

Prime Contractor's Company Information – Enter information about the contractor who has the direct contract with the Awarding Agency:

- a) **Prime Contractor's Company Name** – Enter the Prime Contractor's company name.
- b) **Prime Contractor's Registration Number** – Enter the Contractor Registration Number for the Prime Contractor. You can verify the number at: <https://fortress.wa.gov/lni/bbip/Search.aspx>.
- c) **Prime Contractor's UBI Number** – Enter the UBI number for the Prime Contractor. You can verify this number at: <https://fortress.wa.gov/dol/dolprod/bpdLicenseQuery/>.

8

Hiring Contractor's Company Information – Enter the information about the Hiring Contractor. This is the contractor who hired or contracted your firm to perform work on this project:

- a) **Hiring Contractor's Company Name** – Enter the name of the contractor who hired or contracted your firm to perform work on this project.
- b) **Hiring Contractor's Registration Number** – Enter the Contractor Registration Number for the contractor who hired you. You can verify the number at: <https://fortress.wa.gov/lni/bbip/Search.aspx>.
- c) **Hiring Contractor's UBI Number** – Enter the UBI Number for the contractor who hired you. You can verify this number at: <https://fortress.wa.gov/dol/dolprod/bpdLicenseQuery/>.

9

Employment Information – Enter information about the individuals who performed work on this project:

- a) **Did you use any subcontractors?** - If **PART** of the work was performed by subcontractors you hired, check the "Yes" box and complete **Addendum B**.
- b) **Did employees perform work on this project?** - If employees, including apprentices, performed any work on the project, check the "Yes" box and list each employee's applicable craft/trade/occupation. If you utilized apprentices on this project you must complete **Addendum D**.
- c) **Was ALL work subcontracted?** - If **ALL** work was performed by subcontractors, check the "Yes" box and complete **Addendum B**.
- d) **Did you use apprentice employees?** – If you used apprentices on this project please be aware:

1. Any workers **NOT** registered with the Washington State Apprenticeship and Training Council (WSATC) must be paid the correct journey-level prevailing rate of wage.
 2. Any apprentice **NOT** registered with the WSATC within 60 days of hiring must be paid at the correct journey-level prevailing rate of wage for the time preceding the date of registration.
 3. You **MUST** be a registered training agent with the WSATC in order to pay a registered apprentice less than journey-level prevailing rate of wage.
 4. To verify apprenticeship and/or registered training agent status call (360) 902-5324.
- e) **Number of Owners/Operators who own at least 30% of the company who performed work on the project** – Indicate the number of Owners/Operators who performed work on the project. If no 30%+ Owners/Operators performed work on the project, check the box “None”.

Crafts/Trades/Occupations and Apprentices – List the craft/trade/occupation of each worker, journey-level and apprentice, employed on this project.

❖ **Crafts/Trades/Occupations**

If you indicated above that Owners/Operators worked on this project, and you also indicated above that no employees performed work on the project, and that **ALL** work was subcontracted, then you do not need to fill in this section. Individuals who own less than 30% of the company are not considered Owner/Operators under RCW 39.12 and must be listed as employees and paid at least the prevailing rate of wage for the work performed.

Use **Addendum A** for additional Crafts/Trades/Occupations that will not fit on this form.

Residential Construction - If you are using any residential classifications (e.g. Residential Carpenter, Residential Laborer, etc.) you must provide information regarding the following questions, on **Addendum C**, in order for L&I to determine if residential rates are being utilized appropriately:

1. Did the Awarding Agency, in compliance with RCW 39.12.030, determine that the project meets the definition of residential construction?
2. Please indicate the type of structure (e.g. single-family dwelling, duplex, apartment, condominium or other residential structure).
3. Including any basement or garage, how many stories or levels does the structure have?
4. What is the facility used for (answer “yes” or “no” to each of the following options)?
 - a. Permanent residence only?
 - b. Rehabilitation house?
 - c. Transitional housing?
 - d. Communal dining facility?
 - e. Treatment services?
 - f. Counseling?
 - g. Other?
5. Does each dwelling unit have its own full, self-contained kitchen?
6. Does each dwelling unit have its own full bathroom?
7. Is there a community facility or manager’s office on site?
8. Is any part of the facility used by members of the public?

Landscape Construction - If you are using “Landscape Construction” or any of the sub-classifications within Landscape Construction (e.g. Landscape or Planting Laborer, Irrigation or Lawn Sprinkler Installers, Landscape Equipment Operators or Truck Drivers) you must provide information regarding the following questions, on **Addendum C**, in order for L&I to determine if Landscape Construction rates are being utilized appropriately:

1. The beautification of a plot of land through addition of or modification to lawns, trees and bushes under the Landscape Construction Scope of work (WAC 296-127-01346) is a limited universe and has exclusions that may affect its application. Please provide L&I with more information so we can verify whether the landscape construction wage rates apply to this project.
 - a. Please describe the whole project – not just your part.
 - b. Please describe your part(s) of the project –the tasks you performed, equipment used, and tools used. Please provide as much detail as you can.
 - c. If the project involves installing an irrigation system, trenching, installing French drains or other subsurface water collection systems, or spreading top soil or mulch, please tell us the relevant depths.
2. If Equipment Operators and/or Truck Drivers were used, describe the type, and list the size or rated capacity of the equipment.

❖ **Apprentices** – If you employed apprentices on this project, list each apprentice by Name, Registration Number, Trade, the number of hours the individual had completed in the program when they started work (Beginning Hours) and ended work (Ending Hours) on the project, Beginning and Ending dates of work performed on this project, and Rate of Hourly Pay and Usual (“Fringe”) Benefits.

1. Any workers **NOT** registered with the Washington State Apprenticeship and Training Council (WSATC) must be paid the correct journey-level prevailing rate of wage.
2. Any apprentice **NOT** registered with the WSATC within 60 days of hiring must be paid at the correct journey-level prevailing rate of wage for the time preceding the date of registration.
3. You **MUST** be a registered training agent with the WSATC in order to pay a registered apprentice less than journey-level prevailing rate of wage.
4. To verify apprenticeship and/or registered training agent status call (360) 902-5366.

11

Number of Workers – Enter the number of journey-level workers employed on this project for that craft/trade/occupation.

12

Total Number of Hours Worked – Enter the number of hours worked for that Craft/Trade/Occupation.

13

Rate of Hourly Pay – Enter the rate of hourly pay, as defined by RCW 39.12.010, that you actually paid the workers for that Craft/Trade/Occupation. The amount listed for “Rate of Hourly Pay” plus the amount listed for the “Rate of Hourly Fringe Benefits,” if any, must equal or exceed the applicable prevailing rate of wage.

14

Rate of Hourly Usual (“Fringe”) Benefits – Enter the rate of hourly fringe benefits for that Craft/Trade/Occupation. This is the cost of fringe benefits, as defined by RCW 39.12.010, that you actually paid to the workers. The amount listed for “Rate of Hourly Pay” plus the amount listed for “Rate of Hourly Usual (“Fringe”) Benefits,” if any, must equal or exceed the applicable prevailing rate of wage.

If there is not enough space to list all required information on one form, use the appropriate Addendum as needed. No additional fee is required for using Addendums to the form. No other attachments will be accepted.

L&I approval of your Affidavit of Wages Paid is based on the information you provide. Approval of the form does not signify that the classifications of labor you listed on the form are the correct classifications of work for the tasks performed on the public works project. It is your responsibility to pay workers the prevailing rate of wage for the classification of work that correctly applies to the actual work they perform.

Be sure to include your email address on the form. **If you do not provide this information, L&I will use standard mail to send you correction notices. You will be able to access approved forms at:**

<https://fortress.wa.gov/lni/pwipub/SearchFor.asp> (No notice of approval will be mailed).

MAILING INSTRUCTIONS

*You must mail the completed and signed form with **original signature** (a photocopy of a signature will **not** be accepted) with the \$40 filing fee to:*

**Management Services
Department of Labor & Industries
Prevailing Wage Program
PO Box 44835
Olympia, WA 98504-4835**

FURTHER INFORMATION

Make checks payable to:

Department of Labor and Industries

*If you have questions or would like assistance in completing the form, please call us at **(360) 902-5335** or email the Prevailing Wage office at pw1@lni.wa.gov.*

Prevailing wage rates are available on the Internet at:

<http://www.lni.wa.gov/TradesLicensing/PrevWage/WageRates/default.asp>

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Documentation of clarifications, proposals and modifications during the course of construction.
- B. Final documentation of all clarifications, approved proposals and approved modifications.

1.03 DESCRIPTION

- A. Throughout the course of bidding and construction, clarifications, proposals, modifications and other change directives may be issued. Maintain copies of these items at the job site and indicate information that supersedes previously-released information.
- B. At the completion of the project, in accordance with provisions Section 01 78 39, document all clarifications and approved modifications with the Project Record Documents.

1.04 SUBMITTALS

- A. Addendum: Issued during Bidding.
- B. Change Order Form: as specified Section 00 63 63.
- C. Architect's Supplemental Instructions: as specified Section 01 26 00.
- D. Request for Interpretation: as specified Section 00 63 13.
- E. Construction Change Directives: as specified Section 01 26 00.
- F. Other Contract Modifications: as specified Section 01 26 00.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

3.01 PERFORMANCE

- A. During the Bidding period, maintain record of issued Addenda.
- B. During construction period, maintain copies of Addenda, Requests for Interpretation, Proposal Requests, Architect's Supplemental Instructions, Change Orders and all other Contract Modification documents, including voided and superseded documents.

- C. Maintain the documents in an easily accessed location.
- D. Record changes resulting from these documents in the on-site Contract Documents.
 - 1. Record changes in a way so as to avoid confusion with superseded information.
 - 2. Keep Contract Documents up to date and record changes within 24 hours of their approval.

3.02 COMPLETION

- A. At the project's completion, provide all approved change documents and integrate them into the Project Record Documents per Section 01 78 39 in accordance with provisions Section 01 77 00.
 - 1. Where changes result in revisions to the Project Manual text, modify the electronic files to reflect each change.
- B. Where changes result in changes to the CAD drawings required in Section 01 78 39, modify the CAD drawings so they reflect actual, as-built conditions.
- C. Do not include voided or superseded changes in the Project Record Documents.

END OF SECTION

**HARDWARE AND ACCESS CONTROL UPGRADES
WOODLAND SCHOOL DISTRICT**

**DIVISION 01
GENERAL REQUIREMENTS**

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Contractual information, including Work of this Contract, Contract description, and work under separate contracts by Owner.
- B. Owner furnished and installed products.
- C. Contractor's use of site and premises, and construction staging area.
- D. Existing conditions, conflicts and omissions, objections to specified products, and material safety data sheets.

1.03 WORK UNDER THIS CONTRACT

- A. Work of this Contract is for construction at three separate school sites.
 - 1. Woodland Primary School: Re-keying select door hardware and providing select new door hardware and access controls.
 - 2. Woodland Intermediate School: Re-keying select door hardware and providing select new door hardware and access controls.
 - 3. Woodland Middle School: Re-keying select door hardware and providing select new door hardware and access controls.

1.04 CONTRACT DESCRIPTION AND SCHEDULE

- A. Work is to be performed under a single prime contract where the basis of payment is a stipulated lump sum in accordance with the Advertisement for Bid.
- B. The schedule will require the work to be completed within the following times:

Notice to Proceed: No later than August 11

Substantial Completion: September 6, 2015

1.05 WORK UNDER SEPARATE CONTRACT BY OWNER

- A. Cooperate and coordinate as necessary to facilitate work under separate contract with Work of this Contract. Comply with provisions of Sections 01 31 13 and 01 31 19.

1.06 OWNER FURNISHED AND INSTALLED PRODUCTS (FOIO)

- A. FOIO designation on Drawings indicates items that will be furnished and installed by Owner, requiring backing support in walls, cut-outs, or other work by Contractor to facilitate installation. Verify, confirm, and coordinate FOIO items with Owner before beginning work.

1.07 PRODUCTS NOT IN CONTRACT (NIC)

- A. NIC designation on Drawings indicates work not in Contract. NIC is indicated where useful as clarification of Work of this Contract.
 - 1. Note tolerances or other performance criteria relating to Work of this Contract.
 - 2. Bring to Owner's attention where NIC items may be compromised by Work of this Contract.

1.08 CONTRACTOR USE OF SITE AND PREMISES

- A. Coordinate use of premises with Owner.
- B. Limit use of the premises to Work of this Contract, storage, and facilities required for completion of this Work.
- C. Assume full responsibility for the protection and safekeeping of products under this Contract, stored on the site.
- D. Move stored products, under Contractor's control, which interfere with operations of the Owner or contractor under separate contract with Owner at no additional cost to Owner.
- E. Obtain and pay for the use of additional storage or work areas needed for operations.
- F. Store combustible, toxic, and other hazardous material outside of building or in area acceptable to Architect and Owner. Do not store combustible materials in mechanical and electrical equipment rooms.
- G. Maintain project site in a neat and orderly manner. Avoid accumulation of unnecessary debris, equipment, and materials. Do not encumber site with materials or equipment which may interfere with access to site by Owner and personnel under Owners direction.
- H. Maintain access for emergency vehicles and personnel.
- I. Maintain pedestrian and vehicular access to and around existing site for free, convenient, unencumbered, and direct access to properties neighboring the Project Site.
- J. Unless otherwise specified by the Owner or the local Jurisdiction, the hours of construction shall be limited from 7:00 am to 6:00 pm, Monday through Saturday.

1.09 CONFLICTS AND OMISSIONS IN DRAWINGS AND SPECIFICATIONS

- A. Bring promptly to attention of Architect for interpretation and direction.
- B. Where Contractor is aware of conflicts or omissions and has not brought them to Architect's attention, it is understood that Contractor has made provisions for more costly and stringent method.
- C. Where direction from Architect cannot be obtained prior to Bid Date, it is understood that Contractor has made provision for more costly method before submitting Bid.
- D. Where conflicts or omissions occur in Drawings, Project Manual, or other related Contract Documents, provisions such as manufacturer's instructions, reference standards, and regulatory agencies and codes, assume more stringent requirements and verify with Architect before beginning work.

1.10 OBJECTIONS TO SPECIFIED PRODUCTS

- A. Submittal of Bid constitutes agreement by Contractor to provide products as specified.
- B. Where Contractor has reasonable objection to specified products, or valid reason for proposing substitutions, comply with provisions of Section 00 26 00.
- C. Where not approved by Architect, substitutions to specified Products constitutes Non-Conforming Work, as defined by General Conditions, and requires removal and replacement with specified or approved Products.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Provisions for a Pre-Bid Meeting.
- B. Pre-Bid Meeting Agenda.
- C. Pre-Bid Meeting Minutes.

1.03 REQUIREMENTS

- A. Owner will conduct public, non-mandatory Pre-Bid Meeting.
- B. Pre-Bid Meeting location: Project site.
- C. Contract Documents: At least one copy of Drawings and Project Manual will be available for review during Pre-Bid Meeting.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Pre-Bid Meeting Agenda: Furnished to all present at Pre-Bid Meeting.
- B. Pre Bid Meeting Minutes: Issued by Architect as an Addendum and thus included in the Contract Documents.
 - 1. Only written Minutes shall be included in the Contract Documents. Any oral information provided by any party during Pre-Bid Meeting shall not be included in the Contract Documents unless included in the written Minutes.

PART 3 - EXECUTION

3.01 PERFORMANCE

- A. Owner: Conduct meeting or designate another party to conduct meeting.
- B. Distribute Sign-in Sheet for attendees' use.
- C. Distribute Meeting Agenda.
- D. Conduct Meeting in accordance with Agenda.
- E. Documentation by Architect: Issue Pre-Bid Meeting Minutes as an Addendum.

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Submittals.
- B. Documentation of change in Contract Sum/Price and Contract Time.
- C. Change procedures.
- D. Construction Change Authorization.
- E. Stipulated Sum change order.
- F. Unit price change order.
- G. Time and material change order.
- H. Execution of change orders.
- I. Correlation of Contractor submittals.

1.03 REQUIREMENTS

- A. Conform with requirements of the Agreement specified Section 00 52 00.

1.04 SUBMITTALS

- A. Submit name of the individual authorized to receive change documents, and be responsible for informing others in Contractor's employ or Subcontractors of changes to the Work.
- B. Change Order Forms: In accordance with Section 00 63 63.

1.05 DOCUMENTATION OF CHANGE IN CONTRACT SUM/PRICE AND CONTRACT TIME

- A. Maintain detailed records of work done on a time and material basis. Provide full information required for evaluation of proposed changes, and to substantiate costs of changes in the Work.
- B. Document each quotation for a change in cost or time with sufficient data to allow evaluation of the quotation.
- C. On request, provide additional data to support computations:
 - 1. Quantities of products, labor, and equipment.
 - 2. Taxes, insurance and bonds.
 - 3. Overhead and profit.
 - 4. Justification for any change in Contract Time.

- 5. Credit for deletions from Contract, similarly documented.
- D. Support each claim for additional costs, and for work done on a time and material basis, with additional information:
 - 1. Origin and date of claim.
 - 2. Dates and times work was performed, and by whom.
 - 3. Time records and wage rates paid.
 - 4. Invoices and receipts for products, equipment, and subcontracts, similarly documented.

1.06 CHANGE PROCEDURES

- A. Changes to the contract may arise as a result of discovery of hidden conditions, coordination of construction, and revisions to the work by the Owner. Revisions to the work may be additive or reductive in scope.
- B. The Architect will advise of minor changes in the Work not involving an adjustment to Contract Sum/Price or Contract Time by issuing Architect's Supplemental Instructions.
- C. The Architect may issue a Construction Change Directive which includes a detailed description of a proposed change with supplementary or revised Drawings and specifications, a change in Contract Time for executing the change with a stipulation of any overtime work required and the period of time during which the requested price will be considered valid. Contractor will prepare and submit an estimate within 5 days.
- D. The Contractor may propose a change by submitting a Change Order Proposal to the Architect, describing the proposed change and its full effect on the Work, with a statement describing the reason for the change, and the effect on the Contract Sum/Price and Contract Time with full documentation. Document any requested substitutions in accordance with Section 00 26 00.

1.07 CONSTRUCTION CHANGE DIRECTIVE

- A. Architect may issue a document, signed by the Owner, instructing the Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.
- B. The document will describe changes in the Work, and will designate a change, or a method of determining any change, in Contract Sum/Price or Contract Time.
- C. Promptly execute the change in Work.

1.08 STIPULATED SUM CHANGE ORDER

- A. Based on Construction Change Directive and Contractor's fixed price quotation or Contractor's Change Request as approved by Architect.

1.09 UNIT PRICE CHANGE ORDER

- A. For pre-determined unit prices and quantities, the Change Order will be executed on a fixed unit price basis.
- B. For unit costs or quantities of units of work which are not pre-determined, execute Work under a Construction Change Directive.
- C. Changes in Contract Sum/Price or Contract Time will be computed as specified for Time and Material Change Order.

1.10 TIME AND MATERIAL CHANGE ORDER

- A. Submit itemized account and supporting data after completion of change, within time limits indicated in the Conditions of the Contract.
- B. Architect will determine the change allowable in Contract Sum/Price and Contract Time as provided in the Contract Documents.
- C. Maintain detailed records of work done on Time and Material basis.
- D. Provide full information required for evaluation of proposed changes, and to substantiate costs for changes in the Work.

1.11 EXECUTION OF CHANGE ORDERS

- A. Execution of Change Orders: Architect will issue Change Orders for signatures of parties as provided in the Conditions of the Contract.

1.12 CORRELATION OF CONTRACTOR SUBMITTALS

- A. Promptly revise Schedule of Values and Application for Payment forms to record each authorized Change Order as a separate line item and adjust the Contract Sum/Price.
- B. Promptly revise progress schedules to reflect any change in Contract Time, revise sub-schedules to adjust time for other items of work affected by the change, and resubmit.
- C. Promptly enter changes in Project Record Documents.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION

Date:

Contractor:

Contract Modification:

In order to expedite the work and avoid delays, you are hereby directed to make the following change to this contract:

1.

Reference:

Sheet No.:

RFI No.:

Attachments:

Contract Adjustment:

This contract sum will be adjusted in accordance with one of the following:

____ Lump Sum (increase) (decrease) of: _____.

____ As provided for in the General Conditions of the Agreement.

____ Based on time and materials.

The contract time will:

____ Increase by _____ days.

____ Decrease by _____ days.

____ As provided for in the General Conditions of the Agreement.

When issued by the Architect and approved by the Owner, this document shall serve as authorization to proceed with the work as described above. Proceed **immediately** with the work.

When the actual adjustments to the contract sum and/or contract time are agreed to by the Architect, Owner and Contractor, this work shall be added to the contract by change order.

Issued By: _____
Eric Lanciault, Architect

Date: _____

Approved By: _____
Woodland School District

Date: _____

Accepted By: _____
Contractor

Date: _____

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. General Requirements.
- B. Format, content and cost categories.
- C. Submittal requirements.

1.03 GENERAL REQUIREMENTS

- A. Submit on 8-1/2 inch by 11 inch format.
- B. Round off figures to nearest dollar amount.
- C. Make total sum for Schedule of Values equal to Contract Sum.
- D. Identify Schedule of Value line items corresponding to Section titles in Project Manual Table of Contents.

1.04 CONTENT

- A. Indicate cost values for labor, material, equipment, and Contractor's overhead and profit for each line item.
- B. Break out individual phases of the Work, such as general conditions, mobilization, closeout, punch list, and demobilization.
- C. Break down each line item of work exceeding \$20,000 by major components, products, or operations.
- D. Major cost items, such as temporary facilities, not a direct cost of actual work-in-place, may be denoted as line item in Schedule of Values, or distributed as general overhead expense at Contractor's option.
- E. For stored Products upon which Progress payments are requested, indicate "Initial Value" and break out delivery and installation costs. Support with proof of purchase invoices. Submit "Value Added" on subsequent Schedule of Values when Products are delivered to site and installed.
- F. Distribute Contractor's office overhead and profit proportionally among allocated cost for each work activity.
- G. Assign Project site overhead costs corresponding with start and finish dates of each work related activity. Pro-rate supervision expense, temporary utilities, small tools, and such over total Contract time. Assign related costs such as for bonds, insurance, and schedules, to appropriate work

activities.

1.05 COST CATEGORIES

- A. Assign following cost categories to Schedule of Values. Assign cost values making sum equal to total cost of each line item activity.
 - 1. Labor
 - 2. Equipment
 - 3. Material
 - 4. Subcontractor
 - 5. Overhead and profit
 - 6. Total Cost
- B. Show total sum for each cost category as well as total cost for each activity.

1.06 SUBMITTAL REQUIREMENTS

- A. Submit printed Schedule of Values on AIA Form G703 – Application and Certificate for Payment Continuation Sheet, or Contractor's approved electronic media printout facsimile.
- B. Submit Schedule for review within 15 days after Notice to Proceed and prior to submittal of first Application for Payment.
- C. Submit current Schedule with each Application for Payment.
- D. Submit Revised Schedule listing approved Owner Change Orders and other modifications to Contract Sum.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Procedures for preparation and submittal of Applications for Payment.

1.03 FORMAT

- A. Submit payment applications with form provided by Owner in accordance with requirements Article 15 of the Agreement specified Section 00 52 00.
- B. For each item, provide a column for listing: Item Number; Description of work; Scheduled Value, Previous Applications: Work in Place and Stored Materials under this Application: Authorized Change Orders; Total Completed and Stored to Date of Application; Percentage of Completion; Balance to Finish; and Retainage.

1.04 SUBMITTALS REQUIRED BEFORE INITIAL APPLICATION FOR PAYMENT

- A. Following must be submitted and approved by Owner before Owner begins processing initial Application for Payment.
 - 1. Progress Schedule.
 - 2. Intent to Pay Prevailing Wages: Approved copy must be on file by Owner for each classification of laborer, worker, or mechanic included in Application for Payment, employed by Contractor and subcontractors in accordance with provisions Section 00 73 46.16.
 - 3. Schedule of Values prepared in accordance with Section 01 29 73.
 - 4. List of Subcontractors and Suppliers.
 - 5. Instruction to Owner for disposition of Retainage funds. Where escrow option is chosen by Contractor, completed and signed escrow agreement must be on file with Owner.

1.05 PREPARATION OF APPLICATIONS

- A. Present required information in typewritten form or on electronic media printout.
- B. Execute certification by signature of authorized officer.
- C. Use data from approved Schedule of Values. Provide dollar value in each column for each line item for portion of work performed and for stored products.
- D. List each authorized Change Order as an extension on continuation sheet, listing Change Order number and dollar amount as for an original item of Work.
- E. Prepare Application for Final Payment as specified in Section 01 77 00.

1.06 SUBMITTAL PROCEDURES

- A. Submit four copies of each Application for Payment.

- B. Submit an updated construction schedule with each Application for Payment.
- C. Payment Period: Submit monthly at dates stipulated during Pre-Construction Meeting.
- D. Submit under transmittal letter specified in Section 01 33 00.
- E. Submit "Intent to Pay Prevailing Wage" form for each contractor and subcontractor that has work included in the Application for Payment.

1.07 SUBSTANTIATING DATA

- A. When Architect requires substantiating information, submit data justifying dollar amounts in question.
- B. Provide one copy of data with cover letter for each copy of submittal. Show Application number and date, and line item by number and description.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Coordination.
- B. Preconstruction conference.
- C. Site mobilization conference.
- D. Progress meetings.
- E. Preinstallation conferences.

1.03 COORDINATION

- A. Coordinate scheduling, submittals, and Work of the various Sections of specifications to assure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.
- B. Verify that utility requirement characteristics of operating equipment are compatible with building utilities. Coordinate work of various Sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
- C. Coordinate space requirements and installation of mechanical and electrical work which are indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduit, as closely as practicable; place runs parallel with line of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
- D. In finished areas, except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
- E. Coordinate completion and clean up of Work of separate Sections in preparation for Substantial Completion and for portions of Work designated for Owners partial occupancy.
- F. After Owner occupancy of premises, coordinate access to site for correction of defective Work and Work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

1.04 PRE-CONSTRUCTION CONFERENCE

- A. Architect will schedule a conference after Notice of Award.
- B. Attendance and Agenda: In accordance with provisions of Section 01 31 13.

1.06 PROGRESS MEETINGS

- A. Architect will administer weekly or as necessary meetings throughout progress of the Work in accordance with provisions Section 01 31 19.

1.07 PREINSTALLATION CONFERENCES

- A. When required in individual specification Section, convene a pre-installation conference at work site prior to commencing work of the Section in accordance with provisions Section 01 31 19.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.
- C. Pre-Construction Meeting.
- D. Progress Meetings.
- E. Pre-Installation Conferences.

1.03 PRE-CONSTRUCTION MEETING

- A. Purpose: Complete administrative and procedural requirements connected with the Contract.
- B. Owner: Schedule a conference after Notice of Award of Contract. Record minutes and distribute to Contractor and Architect.
- C. Attendance: Owner, Architect, Contractor, and others as designated by Owner or Architect such as major subcontractors and consultants.
- D. Meeting Time: Within 15 days after Notice of Award of Contract.
- E. Meeting Location: Project Site or as designated by Owner.
- F. Suggested Agenda Items:
 - 1. Designation of responsible personnel for Owner, Architect, Contractor, including Contractor's superintendent, and other applicable entities.
 - 2. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal requests, Change Orders, and Contract closeout procedures.
 - 3. Distribution of Contract Documents.
 - 4. Owner's requirements and use of premises by Owner and Contractor.
 - 5. Construction office and site storage areas.
 - 6. Temporary utilities and sanitary facilities.
 - 7. Environmental and noise controls.
 - 8. Site access, and parking.
 - 9. Safety and security measures.
 - 10. Housekeeping and site maintenance procedures.
 - 11. Schedules.
 - 12. Testing procedures.
 - 13. Maintenance of Record Documents, logs, and Submittals.

14. Requirements for start-up of equipment.
15. Inspection and acceptance of equipment put into service during construction period.
16. Scheduling Progress Meetings.
17. Owner salvage and furnished Items
18. Construction signage.
19. Contract Completely and Closeout Procedures

1.04 SITE MOBILIZATION CONFERENCE

- A. Architect will schedule a conference at the Project site prior to Contractor occupancy.
- B. Attendance Required: Owner, Architect, Special Consultants, Contractor's Superintendent, and major Subcontractors.
- C. Agenda:
 1. Use of premises by Owner and Contractor.
 2. Owner's requirements and occupancy.
 3. Construction facilities and controls provided by Owner.
 4. Temporary utilities provided by Owner.
 5. Building layout.
 6. Security and housekeeping procedures.
 7. Schedules.
 8. Procedures for testing.
 9. Procedures for maintaining record documents.
 10. Requirements for start-up of equipment.
 11. Inspection and acceptance of equipment put into service during construction period.

1.05 PROGRESS MEETINGS

- A. Purpose: Perform business relating to completion of the Work, including construction progress, scheduling, clarifications, proposals, contract modifications, progress payments, submittals, and measures to be taken.
- B. Owner: Schedule and administer meetings every other week throughout progress of the Work, except as changed by mutual agreement between Owner, Contractor, and Architect. Record minutes and distribute to Owner and Architect.
- C. Meeting Location: Contractor's Field office, except as otherwise determined by Owner and Architect.
- D. Attendance: Contractor's superintendent and project manager, Owner, and Architect. Others, as applicable to agenda, including consultants, subcontractors, and suppliers, at discretion of Contractor, Owner or Architect.
- E. Suggested Agenda:
 1. Previous Meeting Minutes: Review, amend, and approve.
 2. Review of Work in Progress: Discussion and field review.
 3. Progress Schedule: Review, Identify problems, impact on progress and Project completion date, and planned progress during succeeding work period.
 4. Submit new Submittals. Review Submittal schedules, and status of Submittals.
 5. Off-Site Fabrication: Review delivery schedules.
 6. Work Standards: Maintenance, coordination, and quality.
 7. Corrective Measures.
 8. Proposed Changes: Effect on progress schedule and coordination.
 9. Modifications to the Contract.

10. Application for Payment.
11. Contractor shall provide updated schedule and logs at each meeting.
12. Other business relating to Work.

1.06 PRE-INSTALLATION CONFERENCES

- A. Purpose: Discuss and coordinate work of affected Sections. Clarify, and define the Work.
- B. Architect: Record minutes and distribute to Contractor and Owner.
- C. Meeting Time: As specified prior to beginning work of specifying Section and as requested by Owner or Architect. Schedule to coincide with regularly scheduled Progress Meeting.
- D. Meeting Location: Work site.
- E. Attendance: Owner, Project superintendent, Architect, parties and entities directly affecting or affected by work, and as specified by individual Sections. Other participants may include subcontractors, suppliers, manufacturer's representatives, testing laboratories, and inspecting consultants as designated by Owner or Architect.

PART 2 – PRODUCTS

Not Used.

PART 3 – PRODUCTS

Not Used.

END OF SECTION

PART 1 – GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SUMMARY

- A. Section Includes:
 - 1. Submittal procedures, format, coordination, and consolidation.
 - 2. Review, processing, turn-around time, and resubmittal requirements.
 - 3. Shop Drawings.
 - 4. Product Data.
 - 5. Samples.

1.03 SUBMITTAL PROCEDURES

- A. Submit transmittal to Architect for review by Architect and Architect's consultants.
- B. Submit as specified under individual Sections. Submittals not requested will not be recognized or processed.
- C. Submit in timely manner in accordance to Submittal Schedule and Construction Schedule, as necessary to complete Work of this Contract within Contract Time.
- D. Substitutions to Specified Items: Do not indicate or otherwise imply substitutions to specified items of work or manufacturers on Submittals. Submit for acceptance under provisions of Section 00 26 00
- E. Job Site Office Records: Maintain one copy of every submittal, regardless of status, along with a current Submittal Log. Ensure that only most current, Architect/Engineer stamped Shop Drawings and Product Data are distributed and subsequently used in connection with the Work.

1.04 SUBMITTAL FORMAT

- A. Transmittal Form: Accompany each submittal with AIA Form G810, or approved transmittal letter. Do not address more than one topic or portion of the Work on each transmittal.
- B. Submittal Numbering: Number transmittal forms sequentially starting with 1. Add suffix "Rev." to original submittal number of re-submittals followed by sequential numerals.
- C. Submittal Identification: Include Project, Contractor, subcontractor or supplier, Drawing and Detail number, specification Section number, manufacturer, fabrication, product, material and as appropriate.
- D. Contractor's Certification: Apply Contractor's stamp, signed or initialed, certifying that review, verification of products required, field dimensions, adjacent construction work, and coordination of information, is in accordance with the requirement of Contract Documents. Review submittals for

adequate installation interface with work of other trades, including for lighting, ductwork, and sprinklers.

- E. Review Stamp Space: Provide minimum 4 inch by 5 inch blank space each for Architect's and Engineer's stamps.
- F. Number and Format: Submit enough copies of a submittal to allow Architect to retain two (2) copies and return enough for the Contractor's needs.
 - 1. Provide additional copies of submittals when required by Owner.
 - 2. Where submittal format is either 8 ½ x 11 or 11x17, Contractor has the option to submit electronically in PDF format.

1.05 COORDINATION AND CONSOLIDATION OF SUBMITTALS

- A. Schedule and coordinate Submittals for review in an orderly sequence and in manageable quantity to aid in review of independent elements of the Work. Submittals received from other than Contractor will be rejected.
- B. Coordinate and consolidate Submittals to include complete assemblies and systems. Partial or incomplete submittals will not be reviewed until complete submittal is received.
- C. Submit related items and trades under one submittal package for each unit of work or system where possible.
- D. Deviations or Submittals: Identify deviations from Contract Documents, conforming to standard shop practices or industry standards by drawing cloud or other identifying marking around deviation and noting change.
- E. Product and System Limitations: Indicate condition which may be detrimental to successful performance or completion of the Work.

1.06 ARCHITECT'S REVIEW

- A. Architect is responsible for reviewing Submittals as verification to the design intent and conformance to provisions of Contract Document.
- B. Architect's review does not relieve Contractor from:
 - 1. Establishing necessary dimensions, tolerances, clearances, qualities, and fabrication processes.
 - 2. Taking responsibility for necessary means and methods to complete the Work.
 - 3. Conforming to provisions of Contract Documents except where approval for deviations is approved by Architect.
- C. Architect will stamp and sign each submittal. Where Architect indicates that Submittal has been reviewed or no exceptions have been taken to submittal, proceed in accordance with Contract Documents. Otherwise make corrections or resubmit as indicated.

1.07 PROCESSING AND TURN-AROUND TIME

- A. Allow minimum 5 calendar days from time of receipt by Architect for each submittal and each resubmittal.

1.08 RESUBMITTALS

- A. Review initial Submittal as directed, and resubmit. Follow procedures specified for the initial submittal. Make corrections or changes in the submittals required by Architect.
- B. Review and make resubmittals until Accepted or Approved as Noted are taken. Identify changes on resubmittal made since previous submittal.

1.09 PRODUCT DATA

- A. Number of Copies: Submit for Architect's review in accordance with Submittal Format specified this Section.
- B. Submittal Procedures: Submit for Architect review in accordance with Submittal Procedures specified this Section.
- C. Distribution: Where printing of Product Data sheets is applicable, proceed as specified for Shop Drawings. Otherwise original product data literature designated for Contractor's use will be returned. After review, distribute to subcontractors and other applicable entities. Maintain one copy for Project Record Documents to be delivered to Owner at Project completion.
- D. Identification: Mark each copy to identify specific products, models, options, tolerances, dimensions, and other pertinent data.
- E. Manufacturer's Standard Data: Modify drawings and diagrams to delete inapplicable information. Supplement to provide information unique to Project.

PART 2 - PRODUCTS

Not Used.

PART 3 - EXECUTION

Not Used.

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 BUILDING CODES

- A. Comply with International Building Code, 2012 edition with Washington State Building Code Amendments (Chapter 51-50 WAC).
- B. Comply with National Electric Code, 2012 edition with Washington State Amendments.
- C. Comply with International Fire Code, 2012 edition with Washington State Amendments – WAC 51-54.

1.03 REGULATIONS

- A. Comply with all Federal, State and Local regulations and laws.

1.04 ADDITIONAL CODES

- A. Washington State Building Code refers to additional codes and requirements such as NFPA and ASCE documents. Comply with requirements of these codes and documents.
 - 1. Additional specific Codes and Standards are identified in the Drawings.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 DESCRIPTION OF WORK

- A. The Contractor shall be responsible for the payment of all Permits and Fees required for completion of the construction phase except as noted below.

PART 2 - PRODUCTS

2.01 PERMITS AND FEES PAID BY OWNER

- A. Including but not limited to:
 - 1. Plan Check Fee has been paid by the Owner.
 - 2. Building Permit Fee: The Contractor shall pick up and pay for the Building Permit. DO NOT include Building Permit fee in bid amount. The Owner will reimburse the Contractor directly.

2.02 PERMITS AND FEES PAID BY CONTRACTOR

- A. Including but not limited to:
 - 1. Mechanical Permit Fees
 - 2. Electrical Permit Fees
 - 3. Sign Permit Fees
 - 6. All other Permit or Fees required during the Construction Phase.

PART 3 - EXECUTION

3.01 PAYMENTS

- A. The Contractor shall be responsible for securing and paying for all permits and fees in a timely manner so not to impede the progress of the work.
- B. Prior to Substantial Completion of the work, Contractor shall verify that all fees have been paid so not to impede issuance of Occupancy Permit.

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Definitions of words used by Project Manual.
- B. Format and language used by Project Manual.

1.03 ADDITIONAL DEFINITIONS

- A. General Conditions of the Contract for Construction.
- B. Definitions specified under various Sections.

1.04 DEFINITIONS OF WORDS USED BY PROJECT MANUAL

- A. **Approved and accepted:** Means, "approved by Architect or Owner", and means, "consented to by Architect or Owner in so far as item or action consented to meets or exceeds requirements of Contract Documents". In no case will "approved" or "accepted" be interpreted as assurance to Contractor that requirements of the Contract Documents have been fulfilled.
- B. **For approval:** Means, "for formal consent by Architect or Owner".
- C. **Or approved and as approved:** Means, "consented to in so far as approved item or action meets or exceeds requirements of Contract Documents". Where used, Architect and Owner are sole judge of quality and suitability.
- D. **Selected:** Means, "as selected by Architect". It is not necessarily limited to manufacturer's standard line of colors, finishes or details, unless otherwise called for.
- E. **As directed:** Means, "as directed by Architect".
- F. **As required:** Means, "As required by Authority Having Jurisdiction."
- G. **Furnish and Supply:** Means, "make arrangements, purchase, and deliver to site ready for intended inclusion into the Work". "Furnish" and "Supply" may be used interchangeably.
- H. **Provide:** Means, "furnish, and install complete, in place, ready for intended operation and use."
- I. **Verify:** Means, "to determine the condition of existing elements at the project prior to beginning work". It also means to confirm requirements of coordinated systems such as "verify soffit height above telescoping seating at Building H".
- J. **Shown:** Means, "where reasonably implied by Drawings of the Contract Documents."
- K. **Specified:** Means, "where reasonably implied by Project Manual documents and specifications."

- L. **Indicated:** Means, “where reasonably implied and necessary in conformance with work specified, drawn, or required for completion, including written information and drawings of Contract Documents”.
- M. **Coordinate:** Means, “coordinate scheduling and submittals, work of Project Manual Sections and Drawings, and work of subcontractors to assure efficient, sequential, and orderly construction progress of interdependent construction elements.”
- N. **Product:** Means, “materials, systems, and equipment provided by Contractor”.
- O. **Project Manual:** Items as listed in the Table of Contents including but not limited to Bidding Requirements, Contract Forms, Conditions of the Contract, General Requirements, and Specifications.
- P. **Drawings:** As listed in Index to Drawings and other drafted, sketched, or pictorial illustrations included in the Contract Documents.
- Q. **Work:** Means, “construction, installations, applications, demolitions, and other operations as indicated or implied by the Contract Documents”. Refers to **work** of individual Sections for complete and finished systems, and **Work** to fully complete requirements of the Contract Documents for Project completion as a whole.
- R. **Contractor:** Means, the “General Prime Contractor”, signatory to the Agreement Between Owner and Contractor, as differentiated from a subcontractor, even though used in respect to subcontractor’s work. Contractor is responsible for executing the Contract and for coordination and performance of subcontractors. Indicated as **Contractor** for Work of this Contract when capitalized and **contractor** for work of separate contract when not capitalized.
- S. **Contract:** Means, “Contract as defined by the Agreement Between Owner and Contractor”. Indicated as Work of this **Contract** where capitalized, and to work of separate **contract** where not capitalized.
- T. **Installer:** Means, “person or entity engaged by Contractor, subcontractor, or sub-subcontractor for performance of work indicated by Contract Documents, such as installation, erection, or application of specified products and systems”.
- U. **Specialist:** Means, “person, firm, or entity of established reputation (or if newly organized, whose personnel have previously established a reputation in the same field), regularly engaged in a maintaining an experienced force of skilled workers qualified to perform items of work required by Contract Documents, such as in manufacturing, fabricating, installing, and applying specified products and systems.
- V. **Manufacturer’s Instructions:** Means, “manufacturer’s written or verbal directions or recommendations, specifications, product literature, and product data as required to complete work in accordance to manufacturer’s system”.
1. Unless otherwise noted or directed, install work in accordance with manufacturer’s instructions for best results. Do not omit preparatory steps or installation procedures unless specifically modified or exempted by Contract Documents or approved by Architect.
 2. Where more than one manufacturer is involved in the work or its component parts, follow most stringent requirements of each manufacturer as required to properly complete work. Submit discrepancies or conflicts to Architect for resolution.
 3. Install work in accordance with manufacturer’s instructions even where not specifically stated by Contract Documents. Where Contract Documents conflict with manufacturer’s

instructions, notify Architect for resolution. Do not proceed until written authorization is received.

- W. Refer to General Conditions of the Contract for additional definitions.

1.05 FORMAT AND LANGUAGE USED BY PROJECT MANUAL

- A. **Project Manual Organization:** Organization is according to Construction Specification Institute (CSI), Manual of Practice. This includes Divisions of related construction information and Sections defining portions of each Division. Divisions and Sections do not define limits of work for each trade and are intended to define contractual relationships, such as between Contractor, subcontractors, suppliers, and manufacturers. Therefore, one or more trades may perform work of a single Section and a particular trade may perform work of more than one Section.
- B. **Singular and Plural:** Product referenced, whether as **singular** or as **plural** in number, shall be taken to mean as many such Products and systems required to complete Work. **Singular** means **plural**, and **plural** means **singular**.
- C. **Tense:** Present tense words include future tense.
- D. **Gender:** Words in masculine gender include feminine and neuter genders.
- E. **All, each, any, every, (etc):** These and similar words are generally omitted and their meaning is implied. Read implications of these words into requirements of phrases such as, "Balance and adjust [all] dampers".
- F. **Specifying by Reference:** Comply with provisions of Section 01 42 19 for products specified by Reference Standards. Conform with most current revised requirements at time of Bid.
- G. **Streamlined Language:** Language is one of the abbreviated or streamlined type and includes short imperative phrases in place of complete sentences. Words and phrases such as "shall", "the Contractor shall", and "shall be" are generally omitted and are to be inferred as if specifically stated in same manner as notations on Drawings. Except where specifically stated otherwise, information is directed to General Contractor and the word "Contractor" is implied. Semicolons following Articles mean "shall be", and "shall comply with".

Example:

"1. Flamespread: ASTM E 84, less than 20."

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Quality assurance.
- B. Schedule of references.

1.03 QUALITY ASSURANCE

- A. For products or workmanship specified by association, trade, or Federal Standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. Conform to reference standard by date of issue current on date of Contract Documents.
- C. Should specified reference standards conflict with Contract Documents, request clarification from Architect before proceeding.
- D. The contractual relationship of the parties to the Contract shall not be altered from the Contract Documents by mention or inference otherwise in any reference document.

1.04 SCHEDULE OF REFERENCES

ANSI	American National Standards Institute 1430 Broadway New York, NY 10018
ASTM	American Society for Testing and Materials 1916 Race Street Philadelphia, PA 19103
DHI	Door and Hardware Institute 7711 Old Springhouse Road McLean, VA 22102
FM	Factory Mutual System 1151 Boston-Providence Turnpike P.O. Box 688 Norwood, MA 02062
FS	Federal Specification General Services Administration Specifications and Consumer Information Distribution Section (WFSIS) Washington Navy Yard, Bldg. 197

	Washington, DC 20407
GA	Gypsum Association 1603 Orrington Avenue Evanston, IL 60201
IBC	International Building Code International Code Council 5203 Leesburg Pike Suite 600 Falls Church, VA 22041
NEMA	National Electrical Manufacturers' Association 2101 'L' Street, N.W. Washington, DC 20037
NFPA	National Fire Protection Association Battery March Park Quincy, MA 02269
SDI	Steel Door Institute 712 Lakewood Center North 14600 Detroit Avenue Cleveland, OH 44107
SMACNA	Sheet Metal and Air Conditioning Contractors National Association 8224 Old Court House Road Vienna, VA 22180
TCA	Tile Council of America, Inc. Box 326 Princeton, NJ 08540
UL	Underwriters' Laboratories, Inc. 333 Pfingston Road Northbrook, IL 60062

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Quality assurance and control of installation.

1.03 QUALITY ASSURANCE/CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, Products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply fully with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect before proceeding.
- D. Comply with specified standards as a minimum quality for the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Perform work by persons qualified to produce workmanship of specified quality.
- F. Secure Products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion or disfigurement.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Product transportation and handling.
- B. Product storage and protection.

1.03 PRODUCTS

- A. Products: Means new material, machinery, components, equipment, fixtures, and systems forming the Work. Does not include machinery and equipment used for preparation, fabrication, conveying and erection of the Work. Products may also include existing materials or components required for reuse.
- B. Do not use materials and equipment removed from existing premises, except as specifically permitted by the Contract Documents.
- C. Provide interchangeable components of the same manufacturer, for similar components.

1.04 TRANSPORTATION AND HANDLING

- A. Transport and handle products in accordance with manufacturer's instructions.
- B. Promptly inspect shipments to assure that products comply with requirements, quantities are correct, and products are undamaged.
- C. Provide equipment and personnel to handle products by methods to prevent soiling, disfigurement, or damage.

1.05 STORAGE AND PROTECTION

- A. Store and protect products in accordance with manufacturer's instructions, with seals and labels intact and legible. Store sensitive products in weather-tight, climate controlled enclosures.
- B. For exterior storage of fabricated products, place on sloped supports, above ground.
- C. Provide off-site storage and protection when site does not permit on-site storage or protection.
- D. Cover products subject to deterioration with impervious sheet covering. Provide ventilation to avoid condensation.
- E. Store loose granular materials on solid flat surfaces in a well-drained area. Prevent mixing with foreign matter.
- F. Provide equipment and personnel to store products by methods to prevent soiling, disfigurement, or damage.

- G. Arrange storage of products to permit access for inspection. Periodically inspect to assure products are undamaged and are maintained under specified conditions.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not used

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES BUT NOT LIMITED TO

- A. Requirements and limitations for cutting and patching of Work.

1.03 SUBMITTALS

- A. Submit written request in advance of cutting or alteration which affects:
 - 1. Structural integrity of any element of Project.
 - 2. Integrity of weather-exposed or moisture-resistant element.
 - 3. Efficiency, maintenance, or safety of any operational element.
 - 4. Visual qualities of sight exposed elements.
 - 5. Work of Owner or separate contractor.
- B. Include in request:
 - 1. Identification of Project.
 - 2. Location and description of affected work.
 - 3. Necessity for cutting or alteration.
 - 4. Description of proposed work, and products to be used.
 - 5. Alternatives to cutting and patching.
 - 6. Effect on work of Owner or separate contractor.
 - 7. Written permission of affected separate contractor.
 - 8. Date and time work will be executed.

1.04 QUALITY ASSURANCE

- A. Visual Requirements: perform cutting and patching in manner as approved by Architect to maintain aesthetic qualities. Cut and patch in manner so as to leave no visual evidence.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Primary Products: Those required for original installation.
- B. Product Substitution: For any proposed change in materials, submit request for substitution under provisions of Section 00 26 00.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Inspect existing conditions prior to commencing Work, including elements subject to damage or movement during cutting and patching.

- B. After uncovering existing work, inspect conditions affecting performance of work.
- C. Beginning of cutting or patching means acceptance of existing conditions.

3.02 PREPARATION

- A. Provide temporary supports to ensure structural integrity of the Work. Provide devices and methods to protect other portions of Project from damage.
- B. Provide protection from elements for areas which may be exposed by uncovering work.
- C. Maintain excavations free of water.

3.03 CUTTING AND PATCHING

- A. Execute cutting, fitting, and patching including excavation and fill to complete work.
- B. Fit products together, to integrate with other work.
- C. Uncover work to install ill-timed work.
- D. Remove and replace defective or non-conforming work.
- E. Remove samples of installed work for testing when requested.
- F. Provide openings in the work for penetration of mechanical and electrical work.

3.04 PERFORMANCE

- A. Execute work by methods to avoid damage to other Work, and which will provide appropriate surfaces to receive patching and finishing.
- B. Employ original installer, where possible, to perform cutting and patching for weather exposed and moisture resistant elements, and sight-exposed surfaces.
- C. Cut rigid materials using masonry saw or core drill. Pneumatic tools not allowed without prior approval.
- D. Restore work with new products in accordance with requirements of Contract Documents.
- E. Fit work air tight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
- F. At penetrations of fire rated walls, partitions, ceiling, or floor construction, completely seal voids with fire rated material in accordance with Section 08 60 00 to full thickness of the penetrated element.
- G. Refinish surfaces to match adjacent finish. For continuous surfaces, refinish to nearest intersection or natural break. For an assembly, refinish entire unit.

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Final cleaning procedures.
- B. Building interior cleaning.

1.03 PROCEDURES

- A. General: Perform final cleaning to Work of this Contract prior to final project assessment at Substantial Completion.
 - 1. Employ experienced professional cleaning personnel skilled in commercial cleaning procedures.
 - 2. Leave Project clean and ready for occupancy and use by Owner.
 - 3. Clean surfaces free of dust, finger prints, dirt, soiling, and other residue remaining from Work of this Contract.
 - 4. Use cleaning materials and methods recommended by manufacturer of surface material to be cleaned.
 - 5. Do not use cleaning materials damaging to surfaces or creating hazards to health or property.
 - 6. Where excess salvage materials or materials of values have become Owner's property and remain after completion of associated work, dispose of these to Owner's best advantage, as directed by Architect.
 - 7. Comply with Regulatory Authorities for safety procedures and environmental regulations. Do not burn or bury materials on site.
 - 8. Do not discharge excess water or harmful substances into environment. Transport waste materials from site in legal manner.
 - 9. Do not use Owners trash facilities.
- C. Building Cleaning: Clean debris from roofs, scuppers, and drainage systems.
 - 1. Clean resilient floors with damp mop to remove surface dirt and dust. Buff dry to bring sheen to surface.
 - 2. Remove temporary labels, stains and foreign substances, polish transparent and glossy surfaces, vacuum carpeted and soft surfaces.
 - 3. Clean equipment and fixtures to a sanitary condition with cleaning materials appropriate to the surface and material being cleaned.
- D. Temporary Protection: Remove temporary protective materials and devices, installed during course of the Work to protect installed work, except as otherwise indicated or directed by Architect.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not Used.

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Closeout procedures.
- B. Final cleaning.
- C. Adjusting.
- D. Project record documents.
- E. Closeout Manual.
- F. Requirements for Substantial Completion.
- G. Requirements for Final Acceptance.
- H. Requirements for Release of Retainage.

1.03 CLOSEOUT PROCEDURES

- A. This Section is based on completion and acceptance of the entire Project during a single time period.
 - 1. If the Project is to be accepted in phases, whether by originally specified Project scope or by subsequent agreement between the parties, then Project Closeout requirements shall pertain to each separately accepted portion or phase of the Project; unless by written notice, the Owner allows for these requirements to be done singularly upon anticipated acceptance of the final phase.

1.04 FINAL CLEANING

- A. Execute final cleaning prior to final inspection in accordance with Section 01 74 23.

1.05 ADJUSTING

- A. Adjust operating Products and equipment to ensure smooth and unhindered operation.

1.06 PROJECT RECORD DOCUMENTS

- A. Project Record Documents include the following:
 - 1. As-Built Record Drawings.
 - a. Maintain and record in accordance with provisions Section 01 78 39.
 - 2. As-Built Record Project Manual.
 - a. Maintain and record in accordance with provisions Section 01 78 39.
 - 3. Operating and Maintenance Manuals.
 - a. Provide in accordance with requirements Section 01 78 23.
 - 4. Record Approved Submittals and Samples.

- a. Provide in single container, organized in ascending numerical order.
5. Completed Punch Lists.

1.07 CLOSEOUT MANUAL

- A. The Contractor's Closeout Manual is separate, and distinct, from the Operations and Maintenance Manuals specified Section 01 78 23.
 1. Submit in white, hard cover, three ring binder.
- B. Closeout Manual includes:
 1. First Page indicating the following information:
 - a. Project Name
 - b. Contractor's Project Number
 - c. Architect's Project Number
 - d. Project Address
 - e. Owner's Contact Information
 - f. Date of Substantial Completion
 - g. Date Closeout Manual submitted.
 2. Table of Contents:
 - a. Project Summary (a one paragraph description of the project scope, including date construction began and building gross square footage).
 - b. Project Directory
 - c. Final Invoice (copy)
 - d. Copy of Final Lien Releases (General Contractor and Sub-Contractors)
 - e. Copy of Warranties and Guarantees
 - f. Copy of Commissioning and Air Balancing Reports
 - g. Copy of Building Permit
 - h. Copy of Certificate of Occupancy.

1.08 REQUIREMENTS FOR SUBSTANTIAL COMPLETION

- A. Prior to requesting Architect and Owner to schedule a Substantial Completion review (for either the entire Project or portions thereof as agreed to by the Owner and Contractor), Contractor shall complete and submit the following and list known exceptions in the request:
 1. A complete copy of the Contractor's most current punch list covering the portions of the Project claimed as substantially complete.
 - a. All items remaining outstanding on the Contractor's punch list shall include a projected date of completion and/or correction with an explanation of why such item is not presently completed.
 - 1) If the Work is found not to be as stated in the Contractor's punch list, or the items have not been substantially corrected/completed, the Substantial Completion review will be terminated. All costs incurred by the Owner and Architect/Engineer for scheduling and attending the terminated inspection(s) shall be the responsibility of the Contractor and excluded from the Cost of Work through Change Order.
 2. A full set of marked-up as-built record drawings and project manual in accordance with Section 01 78 39.
 3. Preliminary copies of Operation and Maintenance manuals in accordance with Section 01 78 39.
 4. A complete copy of Commissioning and Air Balancing reports.
 5. All releases necessary enabling the Owner's full and unrestricted use of the Project and access to services and utilities, including Temporary (or Permanent) Occupancy certificate.
 6. Tools, spare parts, extra stocks of materials, and similar physical items.

- B. Owner intends to occupy Project upon Substantial Completion acceptance. Make provisions for final changeover of locks with the Owner's personnel. Upon written directive from Owner, and for the Contractor's convenience in completing punch list activity, Owner may waive the final changeover of locks until Final Acceptance.
- C. Complete instructing and training Owner's personnel for all systems and equipment serving the areas claimed as substantially complete, for with Owner training was not completed in association with system demonstrations and inspections. Refer also to Section 01 91 00.
- D. Complete initial clean up requirements.
- E. Touch up, repair and otherwise restore marred exposed finishes.

1.09 REQUIREMENTS FOR FINAL ACCEPTANCE

- A. Prior to requesting Architect and Owner to schedule Final Review for Final Acceptance of the Project, complete and submit the following:
 - 1. A draft payment application showing 100% completion for each line item on the Schedule of Values.
 - 2. A copy of Architect/Engineer's Substantial Completion punch list including evidence that each item has been completed or otherwise resolved.
 - 3. Final meter readings for utilities, and similar data as of time of Substantial Completion, or when Owner took possession of and responsibility for corresponding elements of the Work.
 - 4. Final record as-built drawings and project manual, including CAD files.
 - 5. One copy of all approved Submittals and Samples.
 - 6. Two copies of final Operations and Maintenance manuals.
 - 7. Two copies of final Closeout Manual.
 - 8. Final cleaning in accordance with Section 01 74 23.
 - 9. Release of Liens and Claims.
 - 10. Consent of Surety.
 - 11. Return of any and all keys, access cards and other Owner-issued security measures.
 - 12. Final and continuing insurance coverage complying with applicable insurance requirements.
- B. Final Review for Final Acceptance
 - 1. When Work required in the Substantial Completion punch list has been completed, and closeout requirements have been complied with, provide written notice to Architect and Owner that the Project is ready for Final Review.
 - a. If the Work is found not to be as stated in the Contractor's written notice, Final Review will be terminated. All costs incurred by the Owner and Architect/Engineer for scheduling and attending the terminated inspection(s) shall be the responsibility of the Contractor and excluded from the Cost of Work through Change Order.

1.10 REQUIREMENTS FOR RELEASE OF RETAINAGE

- A. Release of any retainage, or reduction in amount of retainage withheld, is strictly at the discretion of the Owner, regardless of Contractor compliance with requirements. All of the requirements noted for Substantial Completion acceptance shall be completed prior to application for final release of Contract retainage. In addition, Contractor shall provide the following:
 - 1. Submit affidavits of final release of claim and lien from each subcontractor and supplier who provided materials and/or labor to the Project.
 - 2. Submit affidavit that all bills for the Project have been paid, or will be paid within thirty (30) calendar days of Contractor's receipt of payment.
 - 3. Submit Consent of Surety to Release of Retainage.

PART 2 - PRODUCTS

Not used

PART 3 - EXECUTION

Not used

END OF SECTION

PART 1 – GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Format and content of manuals.
- B. Instruction of Owner's personnel.

1.03 QUALITY ASSURANCE

- A. Prepare instructions and data by personnel experienced in maintenance and operation of described products.

1.04 FORMAT

- A. Prepare data in the form of an instructional manual.
- B. Binders: Commercial quality, 8-1/2 x 11 inch three-ring binders with hardback, cleanable, plastic covers; three inch maximum ring size. When multiple binders are used, correlate data into related consistent groupings.
- C. Cover: Identify each binder with typed or printed title OPERATION AND MAINTENANCE INSTRUCTIONS; list title of Project; identify subject matter of contents.
- D. Arrange content by systems under section numbers and sequence of Table of Contents of this Project Manual.
- E. Provide tabbed fly leaf for each separate product and system, with typed description of product and major component parts of equipment.
- F. Text: Manufacturer's printed data, or typewritten data on 20 pound paper.
- G. Drawings: Provide with reinforced punched binder tab. Bind in with text; fold larger drawings to size of text pages.

1.05 CONTENTS, EACH VOLUME

- A. Table of Contents: Provide title of Project; names, addresses, and telephone numbers of Architect, subconsultants, and Contractor with name of responsible parties; schedule of products and systems, indexed to content of the volume.
- B. For Each Product or System: List names, addresses and telephone numbers of Subcontractors and suppliers, including local source of supplies and replacement parts.
- C. Product Data: Mark each sheet to clearly identify specific products and component parts, and data applicable to installation. Delete inapplicable information.

- D. Drawings: Supplement product data to illustrate relations of component parts of equipment and systems, to show control and flow diagrams. Do not use Project Record Documents as maintenance drawings.
- E. Type Text: As required to supplement product data. Provide logical sequence of instructions for each procedure, incorporating manufacturer's instructions specified in Section 01 45 00.
- F. Warranties and Bonds: Bind in copy of each as specified in Section 01 78 36.

1.06 MANUAL FOR EQUIPMENT AND SYSTEMS

- A. Each Item of Equipment and Each System: Include description of unit or system, and component parts. Identify function, normal operating characteristics, and limiting conditions. Include performance curves, with engineering data and tests, and complete nomenclature and commercial number of replaceable parts.
- B. Panelboard Circuit Directories: Provide electrical service characteristics, controls and communications.
- C. Include color coded wiring diagrams as installed.
- D. Operating Procedures: Include start-up, break-in, and routine normal operating instructions and sequences. Include regulation, control, stopping, shut-down, and emergency instructions. Include summer, winter, and any special operating instructions.
- E. Maintenance Requirements: Include routine procedures and guide for trouble-shooting; disassembly, repair, and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.
- F. Provide servicing and lubrication schedule, and list of lubricants required.
- G. Include manufacturer's printed operation and maintenance instructions.
- H. Include sequence of operation by controls manufacturer.
- I. Provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.
- J. Provide control diagrams by controls manufacturer as installed.
- K. Provide Contractor's coordination drawings, with color coded piping diagrams as installed.
- L. Provide charts of valve tag numbers, with location and function of each valve, keyed to flow and control diagrams.
- M. Provide list of original manufacturer's spare parts, current prices, and recommended quantities to be maintained in storage.
- N. Include test and balancing reports.
- O. Additional Requirements: As specified in individual product specification Sections.
- P. Provide a listing in Table of Contents for design data, with tabbed fly sheet and space for insertion of

data.

1.07 INSTRUCTION OF OWNER PERSONNEL

- A. Before final inspection, instruct Owner's designated personnel in operation, adjustment, and maintenance of products, equipment, and systems, at agreed upon times.
- B. For equipment requiring seasonal operation, perform instructions for other seasons within six months.
- C. Use operation and maintenance manuals as basis for instruction. Review contents of manual with personnel in detail to explain all aspects of operation and maintenance.
- D. Prepare and insert additional data in Operation and Maintenance Manual when need for such data becomes apparent during instruction.

1.08 SUBMITTALS

- A. Submit two copies of preliminary draft or proposed formats and outlines of contents before start of Work. Architect will review draft and return one copy with comments.
- B. For equipment, or component parts of equipment put into service during construction and operated by Owner, submit documents within ten days after acceptance.
- C. Submit one copy of completed volumes in final form 15 days prior to final inspection. Copy will be returned after final inspection, with Architect comments. Revise content of documents as required prior to final submittal.
- D. One copy of submittals shall contain original documents, not photocopies.
- E. Submit two copies of revised volumes of data in final form within ten days after final inspection.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

PART 1 - GENERAL

1.01 CONTRACT CONDITIONS

- A. All other Contract Documents, including Drawings, Specifications, Project Manual and General and Supplemental Conditions of the Contract, complement the requirements of this section.
- B. Other sections of this Specification may relate to, and may impose additional work and/or additional materials upon this section. Coordinate any cross-referencing of Specification sections.

1.02 SECTION INCLUDES

- A. Contractor's site safety responsibilities.

1.03 PRELIMINARY WORK

- A. Prior to the start of and during the course of the Work, make a thorough survey of the entire work site to determine all potential hazards. Make all workmen aware of those hazards and instruct them in procedures and the use of protection equipment. Verify the location and condition of all utilities on and near the work site and take precautions to protect employees, the general public and the property.

1.04 RESPONSIBILITY

- A. Remain wholly responsible for any accidents occurring at any time during the progress of the Work due to actions related to the Work and until the final acceptance of the Work by the Owner.
 - 1. This Section does not imply or in any way suggest that the responsibility for safety is any other party's other than the Contractor.
 - 2. This Section is intended to give general guidelines and identify specific expectations by Owner.
- B. Authorize immediate action to correct substandard safety conditions.
- C. Review and act to ensure compliance with safety procedures with supervisors, subcontractors and suppliers.
- D. Make thorough daily safety inspections of the work site and immediately act to eliminate unsafe acts and unsafe conditions.
- E. Investigate project site accidents and recommend immediate corrective action.
- F. Assist in the preparation of accident investigation and reporting procedures.
- G. Remain responsible for control, availability, and use of safety equipment, including employee personal protective equipment.

1.05 SAFETY

- A. Ensure that all employees, visitors, subcontractors' employees, and suppliers' employees, while on the work site, comply with the requirements of OSHA and WISHA, these requirements, and requirements indicated in other Sections of this Project Manual.
 - 1. Promptly and fully comply with, execute and, without separate charge to the Owner, enforce compliance with the Washington Industrial Safety and Health Act requirements and Occupational Safety and Health Act requirements.

2. Immediately advise Owner of inspections conducted by OSHA and WISHA at the work site and transmit copies and violations to Owner.

1.06 TIME AND COSTS

- A. No time extension claim will be accepted or approved by Owner for delays due to project shut-down as a result of failure to comply with safety requirements.
- B. No cost increase claim will be accepted or approved by Owner for delays due to project shut-down as a result of failure to comply with safety requirements.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

**HARDWARE AND ACCESS CONTROL UPGRADES
WOODLAND SCHOOL DISTRICT**

**DIVISION 08
OPENINGS**

SECTION 087100 - FINISH HARDWARE

PART 1 GENERAL

1.1 SECTION INCLUDES

Hardware for swinging, sliding, and folding doors except special types of unique and non-matching hardware specified in other sections.

1.2 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer: Manufacturers named in Part 2 of this section with not less than 5 years experience in manufacturing commercial door hardware of the type indicated.
2. Hardware Supplier:
 - a. A recognized architectural finish hardware supplier who has been furnishing hardware in the same state as the project for a period of not less than 5 years.
 - b. Hardware supplier's organization shall include an experienced Architectural Hardware Consultant (AHC), certified by the Door and Hardware Institute (DHI), who is physically available, at reasonable times during the course of the work, for consultation about project's hardware requirements, to Owner, Architect and Contractor. Mail or telephone correspondence is not acceptable.
 - c. Hardware supplier shall have local warehousing facilities and shall maintain an adequate parts inventory of items supplied for future service to the owner. Supplier will be a factory authorized distributor of all hardware specified.
 - d. Provide electrical operation technical sheets including product schematics, point to point diagrams, and electrical requirements of all electrified hardware. Completely coordinate with the general contractor, electrical engineer, electrician, security access subcontractor and the installer. Operational descriptions are for demonstration only – verify operational intent with the owner, architect and electrical engineer.
3. Installer: Company specializing in installing work of this section with not less than 3 years experience and acceptable to the manufacturer and the hardware supplier. The hardware installer shall meet with the representatives of the general contractor and the hardware supplier to jointly inventory all hardware items. Upon satisfactory inventory of products, the hardware installer accepts responsibility for all hardware items inventoried.

B. Regulatory Requirements:

1. Provide hardware for openings, whether specified or not, in compliance with NFPA Standards No. 80, 101, IBC and local building code requirements. Provide only hardware which has been tested and listed by UL or WHI for types and sizes of doors required and complies with requirements of door and door frame labels.
2. Provide hardware which meets or exceeds handicap accessibility per local building code requirements. Conform to the Americans with Disabilities Act (ADA) of 1990 as amended by the D.O.J. September 15, 2010, as adopted by the Authority Having Jurisdiction (AHJ).

1.3 SUBMITTALS

A. Due to the complexity and time frame of this project, hardware must be submitted and supplied as specified, include as follows:

1. Product information: Manufacturer's published technical product data for all specified door hardware items indicating compliance with the requirements.
2. Hardware Schedule:
 - a. Hardware schedules are intended for the Contractor's coordination of the work. Review and acceptance by the Architect or Owner does not relieve the Contractor of their exclusive responsibility to fulfill the requirements as shown and specified.

- b. The hardware supplier must visit the project sites and supply a product submittal that coordinates with existing building conditions and door hardware assignments.
- 3. Templates: Hardware supplier will furnish hardware templates to the Contractor for each fabricator of doors, frames, and other work to be shop prepared or factory prepared for the installation of hardware.
- 4. Warranty: Provide the manufacturer's standard warranty for each product, not to be less than one year after acceptance of the building by the owner. Door closers shall not be warranted for less than ten years.

PART 2 PRODUCTS

2.1 MATERIALS AND FABRICATION

A. General:

- 1. Provide all door hardware for complete work, in accordance with the electrical drawings and as specified herein.

2.2 CONTINUOUS HINGES

A. Manufacturer:

- 1. Listed in Door Hardware Schedule: Ives

2.3 LOCKSETS, LATCHSETS, PRIVACY SETS AND CYLINDERS:

A. Manufacturer:

- 1. Listed in Door Hardware Schedule: Schlage

2.4 KEYS, KEYING, AND KEY CONTROL

A. Keys:

- 1. Provide exterior cylinders to coordinate with the owner's new Schlage Primus large format removable core system. Interior cylinders are to coordinate with the owner's existing Schlage E keyway large format removable core system.
- 2. Provide brass construction cores for the construction period. Construction cores shall remain the property of the hardware supplier.

B. Keying:

- 1. Comply with Owner's written instructions for masterkeying and, except as otherwise indicated, provide individual change keys for each lock which is not designated to be keyed alike with a group of related locks.

2.5 EXIT DEVICES AND MULLIONS

A. Manufacturer:

- 1. Listed in Door Hardware Schedule: Von Duprin

2.6 CLOSERS AND OPERATOR ACCESSORIES

A. Manufacturer:

- 1. Listed in Door Hardware Schedule: LCN

2.7 OVERHEAD STOPS

A. Manufacturer:

- 1. Listed in Door Hardware Schedule: Glynn Johnson

2.8 WALL AND FLOOR STOPS

- A. Manufacturers:
 - 1. Listed in Door Hardware Schedule: Ives

2.9 PROTECTION PLATES

- A. Manufacturers:
 - 1. Listed in Door Hardware Schedule: Ives

2.10 GASKETS AND SWEEPS

- A. Manufacturer:
 - 1. Listed in Door Hardware Schedule: Pemko

2.11 THRESHOLDS

- A. Manufacturer:
 - 1. Listed in Door Hardware Schedule: Pemko

2.12 SILENCERS

- A. Manufacturers:
 - 1. Listed in Door Hardware Schedule: Ives

2.13 FINISHES

- A. Exposed surfaces of hardware shall be Brushed Chrome (US26D, 626) unless otherwise indicated. Where Satin Stainless Steel (US32D, 630) is indicated, hardware shall be satin stainless steel with no exceptions.

PART 3 EXECUTION

3.1 INSTALLATION

- 1. Install each hardware item in compliance with the manufacturer's instructions, requirements of NFPA 80, NFPA 101, IBC, ADA, Local JHA Rules and Regulations for Barrier Free Facilities and recommendations of the DHI.
- 2. Set units level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.
- 3. Where not factory machined, machine cut for hardware per template, as required.
- 4. Prepare existing materials and conditions to allow installation of the specified hardware.

3.2 ADJUSTING

- A. Initial Adjustment:
 - 1. Adjust and check each operating item of hardware and each door, to ensure proper operation or function of every unit.
 - 2. Replace units which cannot be adjusted to operate freely and smoothly as intended for the application made.
- B. Final Adjustment: Wherever hardware installation is made more than one month prior to acceptance or occupancy of a space or area, return to the work during the week prior to acceptance or occupancy, and make final check and adjustment of all hardware items in such space or area. Clean operating items as necessary to restore proper function and finish of hardware and doors. Adjust door control devices to compensate for final operation of heating and ventilating equipment.

3.3 HARDWARE SCHEDULE

Door numbers and designations relate to the Access Control Upgrades plans by Eric Lanciault Architect and BCE Engineers.

Hardware Group #1 – TY101 - Door #1(Middle School)

Each door to receive:

*1	Electric Strike	6300	630	Von Duprin
*1	Power Supply	PS902		Von Duprin
1	Rim Cylinder	Primus Everest 29	626	Schlage
Card reader, Door Position Switch and ACDI in accordance with Section 28 13 00.				

Hardware Group #2 – TY102 - Door #2 (Middle School)

Each door to receive:

*1	Continuous Hinge	112HD TW8	628	Ives
*1	Exit Device	QEL99NL	626	Von Duprin
1	Rim Cylinder	Primus Everest 29	626	Schlage
*1	Power Supply	PS902-2RS		Von Duprin
Reuse existing automatic operator, activation switches and opposing leaf exit device. Card reader, Door Position Switches and ACDI in accordance with Section 28 13 00.				

Hardware Group #3 – TY103 - Door #3 (Middle School), TY104 - Door #4 (Middle School), TY105 - Door #11 (Middle School), TY106 - Door #6 (Middle School)

Each door to receive:

*1	Continuous Hinge	112HD TW8	628	Ives
*1	Exit Device	QEL99NL	626	Von Duprin
1	Rim Cylinder	Primus Everest 29	626	Schlage
*1	Power Supply	PS902-2RS		Von Duprin
Reuse opposing leaf exit device. Card reader, Door Position Switches and ACDI in accordance with Section 28 13 00.				

Hardware Group #4 – TY108 - Door #8 (Intermediate School), TY109 - Door #10 (Intermediate School)

Each door to receive:

*1	Continuous Hinge	112HD TW8	628	Ives
*1	Exit Device	QEL99NL	626	Von Duprin
1	Rim Cylinder	Primus Everest 29	626	Schlage
*1	Power Supply	PS902-2RS		Von Duprin
Remove existing magnetic locks and coordinate accordingly with the electrical engineer. Reuse existing automatic operator, activation switches and opposing leaf exit device. Card reader, Door Position Switches, Request to Exit Switches and ACDI in accordance with Section 28 13 00..				

**HARDWARE AND ACCESS CONTROL UPGRADES
WOODLAND SCHOOL DISTRICT**

**SECTION 08 71 00
FINISH HARDWARE**

Hardware Group #5 – TY111 - Door #9 (Primary School)

Each door to receive:

*1	Power Transfer	EPT-10	SP313	Von Duprin
*1	Exit Device	QEL99NL-OP	626	Von Duprin
1	Bollard	BPS-SM-PRP36**	DKBZ	Wikk
** Provide 8" security mounting bolts and preparation for the card reader – coordinate with the electrical engineer and security access.				
*2	Switches	6x6-3		Wikk
1	Rim Cylinder	Primus Everest 29	612	Schlage
*1	Power Supply	PS902-2RS		Von Duprin
Reuse existing automatic operator and opposing leaf exit device. Reuse outside pull. Card reader, Door Position Switches, Request to Exit Switches and ACDI in accordance with Section 28 13 00.				

The following materials are required to upgrade the existing classroom and corridor access doors to comply with intruder resistance. Extra materials are to be presented to the maintenance staff for future use.

Middle School

Existing classroom L9070 locks – change lock trim and add inside cylinder				
6	Full Working Trim	L9071 06L 626 LLL x LLL less lock case		Schlage
6	Cylinders	20-061	626	Schlage
Reuse existing mortise lock case, scalp, strike and existing outside cylinder				
Existing classrooms and corridor normally occupied areas – existing cylindrical locks				
30	Locks	ND75RD Rho	626	Schlage
Existing Science Rooms and Media Center**				
6	Exit Devices	9975L-F-2	626	Von Duprin
6	Cylinders	20-061	626	Schlage
6	Cylinders	20-057	626	Schlage
** Verify all locations to be mortise type. Supply rim type if required.				

Primary School

Existing exterior locksets from classrooms – convert to exterior blank plate				
10	Conversion Kits	C503-775	612	Schlage
Existing classrooms and corridor normally occupied spaces				
23	Locks	ND75RD Rho	612	Schlage

Intermediate School

Existing classroom L9070 locks – change lock trim and add inside cylinder				
14	Full Working Trim	L9071 06L 626 LLL x LLL less lock case		Schlage
14	Cylinders	20-061	626	Schlage
Reuse existing mortise lock case, scalp, strike and existing outside cylinder				

All existing conditions should be confirmed by the hardware supplier. Present any discrepancies or additional requirements to the architect and/or owner.

* Requires electrical coordination

End of section 087100

**HARDWARE AND ACCESS CONTROL UPGRADES
WOODLAND SCHOOL DISTRICT**

**DIVISION 28
ELECTRONIC SAFETY AND SECURITY**

**SECTION 28 13 00
ACCESS CONTROL SYSTEM**

PART 1 - GENERAL

1.01 SCOPE AND RELATED DOCUMENTS

- A. The project Access Control System is an installation of a new complete Access Control System based on the Mercury/Red Cloud solution. The Installing Vendor shall provide the latest version of equipment at the project site. All equipment shall be new.
- B. Furnish and install a complete Access Control System as described herein and as shown on the Plans; to be wired, connected, and left in first class operating condition. The system shall include, but not be limited to; Access Control Reader Interface(s), Input Board(s), Output Board(s), Power Supplies, Card Readers, Door Position Switches, Request to Exit motion sensors, Electric Locks, Electrified Exit Devices, Panic Buttons, Push Buttons, Intercom Stations, device Input supervision, control Relays, importing of Database(s), Configure, Program, conduit, junction boxes, fittings, wire, connections to devices, and all other necessary material for a completely reliable and fully functional system. All equipment shall be Mercury/Red Cloud or District approved equal.
- C. The system shall be of modular design to facilitate both expansion and service, providing an individual system for specific requirements of this project.
- D. The system shall grant access to card holders with a valid card, monitor the status of open and closed doors, and activate relays.
- E. The system shall be compatible with the existing system within the District.

1.02 SYSTEM OPERATION

- A. Access Control System:
 - 1. Overview:
 - a. The Access Control System and related components shall control access and prevent un-authorized entrance to the building and selected areas from entrance during secure hours using Cards and Card Readers.
 - b. Integrate with other systems as described within these specifications and as required.
 - c. The system shall integrate various systems and devices, fully, completely, and seamlessly through the use of inputs, outputs, and software interfaces

- d. The modularity of the system shall allow the Owner to add or remove control functions, adapting to their needs as the system expands and as the operating requirements change.
 - e. The software shall also combine all application information into a unified database, allowing for more informed operation and automatic system communication transfer between Subsystems, regardless of system drivers and/or protocols.
- B. Workstations and User Interface:
 - 1. The system shall provide a flexible and simple way to adapt to specific Owner requirements, such as different System Operator groups.
- C. Subsystem and Device Programming:
 - 1. Subsystems and their peripheral devices shall be configurable in the system configuration tool.

1.03 QUALITY ASSURANCE

- A. The Installing Vendor shall identify and designate two (2) Manufacturer Trained and Certified Installing Vendor Technicians for the duration of this project.
- B. The Installing Vendor shall be a Mercury/Red Cloud authorized installer.
- C. The Installing Vendor shall have a local office within a 70 mile radius of the project.
- D. The Installing Vendor shall have a 24 hour emergency service department.
- E. The system, devices, and equipment, shall be manufactured under the appropriate category by Underwriters' Laboratories, Inc. (UL), and shall bear the UL label. Partial or pending listings are not acceptable. The installation of EACH device and/or component shall be in compliance with the UL listing. The system, devices, and equipment shall fully comply with the latest issue of these standards, where applicable.
- F. Approvals:
 - 1. The system shall have proper listing and/or approval from the following nationally recognized agencies:
 - a. UL Underwriters Laboratories Inc.
 - b. ULC Underwriters Laboratories Canada.
 - c. Factory Mutual.
 - d. FCC.

G. Service and Software Modifications:

1. Provide the services of a Manufacturer Certified/Authorized Technician to perform all system software modifications, upgrades or changes.
2. For non-emergency service, response time of the technician to the site shall not exceed 4 hours. If the call is received by the Installing Vendor before 1:00pm, service shall be provided that day, and if the call is received after that time, then the response shall be the following business day.
3. Provide all hardware, software, programming tools and documentation necessary to modify the system on-site. Modification includes addition and/or deletion of system devices, changes to system operation, and custom label changes for devices. The system structure and software shall place no limit on the type or extent of software modifications on-site.

1.04 SUBMITTALS

- A. Refer to "Drawings" for additional requirements.
- B. Data Sheets Submittals and other documentation.
 1. Installing Vendor/Manufacturer Agreement. Provide the following documentation of the Manufacturer of the equipment being installed:
 - a. The Installing Vendor shall be an Authorized Partner that is trained and certified by the Manufacturer of the equipment being installed.
 2. Materials List:
 - a. A complete materials list, which shall include; the quantity of each device, the manufacturer's name, model number, and a description of the equipment for each individual system component or device that will be provided. This list shall precede the data sheets.
 - b. Equipment Data Sheets. Each System component or device data sheet shall have an indicating arrow next to each component or device that is being submitted.
 - c. Prior to ordering or installation of any equipment, the Installing Vendor/Contractor shall obtain written approval by the Architect.
- C. Shop Drawing Submittals shall include the following items:
 1. Prior to ordering or installation of any equipment, the Installing Vendor/Contractor shall obtain written approval by the District.
 2. Floor Plans shall show EACH Device type, style, and each individual cable required for EACH Device.
 3. Shop Drawings shall be specific to the System that is specified in the Section.

- a. Do NOT show other low voltage system equipment on the Shop Drawings, except where this system is integrated to other equipment and/or systems.
- b. Provide EACH device Symbol and related description (as described on the Contract Drawings) on the Legend with the text that states "provided by others".
 - 1) Intrusion Alarm System as described on the Floor Plans and Riser Diagrams.
 - 2) Fire Alarm System integration as described on the Floor Plans and Riser Diagrams.

1.05 QUALITY ASSURANCE

- A. The system, devices, and equipment, shall be manufactured under the appropriate category by Underwriters' Laboratories, Inc. (UL), and shall bear the UL label. Partial or pending listings are not acceptable. The installation of EACH device and/or component shall be in compliance with the UL listing. The system, devices, and equipment shall fully comply with the latest issue of these standards, where applicable, which includes, but is not limited to:
 - 1. National Fire Protection Association (NFPA) - USA:
 - a. NFPA 70 National Electrical Code
 - b. NFPA 101 Life Safety Code
 - 2. Underwriters Laboratories Inc. (UL) - USA:
 - a. UL 294 Access Control Systems
 - b. UL 1034 Burglary-Resistant Rated
 - c. UL 1076 Proprietary Burglar Alarm Units and Systems
 - 3. Meet or exceed Building Codes and Standards:
 - a. Local Authority Having Jurisdiction (AHJ) Requirements
 - b. State
 - 1) WAC 51-20 Washington Barrier Free Regulations
 - c. National
 - 1) National Electrical Code (see NFPA 70)
 - 2) Americans with Disabilities Act
 - d. International
 - 1) International Building Code
 - 2) International Electrical Code (see NFPA 70)
 - 3) International Fire Code
- B. Approvals:
 - 1. The system shall have proper listing and/or approval from the following nationally recognized agencies:
 - a. UL Underwriters Laboratories Inc.
 - b. Factory Mutual.
 - c. FCC.
- C. The Installing Vendor shall provide a Staff Commitment Letter in the Submittal and Shop Drawings submittal package, that states the following:

1. The Installing Vendor shall identify and designate two (2) Manufacturer Trained and Certified Installing Vendor Technicians for the duration of this project.
 - a. The Installing Vendor shall submit copies of the above designated technicians Manufacturer Certification(s).
 - b. Additional Installing Vendor field technicians may also work on the site, but only while one of the two designated technicians are on-site.
 2. The Installing Vendor shall identify and designate a Project Manager whose responsibilities will include, but are not limited to:
 - a. The Primary Point of Contact between the Owner and the Installing Vendor. It is acceptable for this person to be the Lead Technician.
 - b. Scheduling of technicians to perform the work on the Owners premises.
 - c. Scheduling of any meetings shall be on the Owners premises.
- D. Service and Software Modifications:
1. Provide the services of a Manufacturer Certified/Authorized Technician to perform all system upgrades or changes.
 2. For non-emergency service, response time of the technician to the site shall not exceed 4 hours. If the call is received by the Installing Vendor before 1:00pm, service shall be provided that day, and if the call is received after that time, then the response shall be the following business day.
 3. Provide all hardware and documentation necessary to modify the system on-site. Modification includes addition and/or deletion of system devices, changes to system operation, and custom label changes for devices.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. The Access Control System design, devices and/or wiring arrangement shown on the drawings represent that based on equipment as manufactured by Mercury.
- B. Provide all equipment as defined in the specification(s) and shown on the drawings.
- C. Refer to PART 1 for any equipment that is not specifically defined.

2.02 COORDINATION

- A. Refer to "Submittals" for additional coordination requirements.

2.03 NETWORK RELATED EQUIPMENT

A. Switch(s):

1. Utilize Ethernet Switch(s) at the MDF Room and EACH designated IDF location indicated on the drawings. The Owner shall provide the necessary switches for a functional LAN/WAN.
2. The Access Control System Installing Vendor shall program all other system equipment.

B. Data Infrastructure:

1. Data and Voice Infrastructure shall be provided for EACH of the following items at EACH location required for a complete and operational system:
 - a. Cat6 Cable Infrastructure.
 - b. Patch Panels.
 - c. Patch Cords.

2.04 SERVER(S) AND WORKSTATION(S) AND SYSTEM SOFTWARE

A. Access Control Server: The Access Control Server shall be provided by the Access Control System Installing Vendor. It shall meet or exceed the following requirements:

1. Must be a server-grade rack-mountable system (or modular blade interfaces).
2. Operating system: Windows Server 2008 R2 or newer
3. Memory: 8GB minimum, Buffered, ECC
 - a. For virtual machines, over provisioning of total physical RAM shall **not** be acceptable.
4. CPU: Quad-core 2.5 GHz
 - a. For virtual machines, over provisioning of total physical CPU cores shall **not** be acceptable
 - b. Intel Xeon series shall be the only acceptable CPU manufacturer.
5. Hard Disk Capacity: 2TB
 - a. For virtual machines, "thick" provisioning of virtual hard drives (NAS/SAN/etc) shall be utilized.
 - b. Use of "thin" provisioning, where the virtual disk size increases automatically as more data is written shall **not** be acceptable.
 - c. Serial Attached SCSI (SAS) or Enterprise-Grade SSDs shall be the only acceptable hard drive medium. Consumer-grade SATA drives shall **not** be acceptable.
 - d. RAID parity striping shall be utilized to provide fault-tolerant storage.
 - e. A minimum of one (1) "hot spare" shall be provided in addition to the total hard drives provided meeting the storage requirements outlined.

6. RAID Controller: Hardware, dedicated
 - a. The raid controller shall be a dedicated hardware based component with dedicated memory and processors for managing RAID volumes
 - b. Software-based RAID shall **not** be acceptable
 7. Intelligent Platform Management Interface (IPMI)
 - a. The server shall come supplied with an IPMI with its own dedicated NIC for monitoring server health remotely and independently of the operating system in the event of a system failure.
 8. Network Interface Controllers (NICs): 2 x 1000BASE-T
 - a. For virtual machines, virtual NICs shall be configured for "bridging".
 - b. Use of "NAT-ed" virtual interfaces shall **not** be acceptable.
 9. Power Supply: Minimum of 700W, Redundant
 10. Video Output: DVI-D
 11. Acceptable server manufacturers:
 - a. Dell
 - b. HP
 - c. Cisco
 12. Provided quantities as required.
- B. Workstation(s).
1. Additional Workstation(s) are NOT required for this project.
 2. Use the Workstation(s) that will be provided by the Owner.
- C. Operating Software: The Owner shall provide any and all legally required additional software license(s) by Microsoft™ and other related software.
- D. Access Control System Software:
1. The Installing Vendor shall provide any and all legally required additional software license(s) by the Access Control System Software manufacturer and other related software.
 2. Access Control Panel: Provide individual IP Access Control Panel for EACH panel provided for this project, as required by the software manufacturer.
 3. Provide Red Cloud Enterprise web-based scalable Access Control Software.
 - a. Provide seamless integration with IT and physical security systems, such as Identity and Access Governance (IAG), Security Information and Event Management (SIEM), Physical Security and Information Management (PSIM) and Video Management Systems (VMS).
 - b. Software Capacities:
 - 1) 50 System Operators.
 - 2) 2,048 Card Readers.
 - 3) 500,000 Identities.
 - 4) 150,000,000 Events.
 4. Provide quantities as required.

2.05 ACCESS CONTROL PANEL (ACP)

- A. The Mercury Access Control System is the basis of design.
 - 1. Provide Mercury Access Platform EP1502 Access Controller.
 - a. 16MB Ram.
 - b. Primary Serial Port communications 10/100 Ethernet.
 - c. 8 general purpose inputs; programmable circuit type.
 - d. 2 Door Control reader input ports.
 - e. Provide quantities, as shown on the drawings.
 - 2. Provide Mercury Access Platform MR16IN Multi device interface panel.
 - a. 16 Programmable inputs; 2 programmable relay outputs.
 - b. 2-wire RS-485 communications.
 - c. AES 128 bit data encryption.
 - d. Universal I/O device characterization.
 - e. Provide quantities required for a complete system installation. Device not shown on drawings.
 - 3. Provide Mercury Access Platform MR16Out Multi device interface panel.
 - a. AES 128 bit data encryption
 - b. Universal I/O device characterization.
 - c. Power supervision and tamper monitoring
 - d. Provide quantities required for a complete system installation. Device not shown on drawings.
 - 4. Provide Mercury Access Platform MR50 Single card interface panel.
 - a. 2 programmable inputs; 2 programmable relay outputs.
 - b. Multi-facility code support.
 - c. Multi-reader technology support.
 - d. AES 128 bit data encryption.
 - e. HSPD-12/FIPS201 Compliant.
 - f. UL 294 Recognized.
 - g. Provide quantities required for a complete system installation. Devices not show on drawings.
 - 5. Provide Flex Power FPO75 Power Supply/Charger
 - a. 12 or 24VDC user selectable.
 - b. Fire Alarm Interface (FAI).
 - c. Programmable 1A battery charging.
 - d. Provide quantities required for a complete system installation. Devices not show on drawings.

2.06 FIELD DEVICES

- A. Review the Access Control System Riser Diagram for Card Reader related equipment that is NOT shown on the drawings, but shall be provided and installed for this project.
- B. Card Readers: Provide one (1) Card Reader at EACH location shown on the drawings. Card readers shall connect to the ACP, for a fully functional system, as required.

1. Card Readers shall meet the following minimum requirements:
 - a. Provide Card Reader(s) that are compatible with the ACP(s).
 - b. Readers shall be weather resistant.
 - c. When a card is presented to the reader, the beeper shall sound.
 - d. The LED's shall be controlled individually by the host system.
 - 1) Reader LED's shall change color when the door is unlocked.
 - e. Reader color shall be specified by the Architect.
 - f. See drawings for additional information.
 2. Surface mount –Proximity HID RK40 iClass Reader:
 - a. Read range distance up to 4" , as listed on the manufacturer's data sheet.
 - b. Surface mount to a single-gang electrical box.
 - c. Provide quantities, as shown on the drawings.
 - d. HID Model # 6130.
 3. Mullion Mount – Proximity HID R10 iClass Reader:
 - a. Read range distance up to 3" , as listed on the manufacturer's data sheet.
 - b. Surface mount onto metal surfaces, such as door mullions or storefront applications, where indicated on the drawings.
 - c. Provide quantities, as shown on the drawings.
 - d. HID Model # 6100.
 4. Credentials:
 - a. Credentials shall meet the following minimum requirements:
 - 1) Provide Credentials that are compatible with the Card Readers, ACP(s).
 - 2) A unique Credential identification number shall be encoded on each Credential.
 - b. Cards:
 - 1) Provide 200 cards.
 - a) Proximity HID iClass cards, no magstripe.
 - b) HID Model # 200PGGMN iClass Contactless Smart Card, 21 bit with 2 application areas
- C. Door Position Switches (DPS's):
1. Coordinate with the Intrusion Alarm System Installing Vendor. See the Electrical Legend and Riser Diagram for more information.
 - a. A DPDT Door Position Switch shall be provided for the following systems to use;
 - 1) Access Control System.
 - 2) Intrusion Alarm System.
- D. Auxiliary Relays (AUXR):
1. Where called for on the plans, specifications, or where required, provide the necessary quantities of auxiliary relays, as required.
 2. For outdoor applications.
 - a. Space Age Electronics: Model# SSU-PAM-1.
 3. For indoor applications.

- a. Space Age Electronics: Model# SSU-PAM-1, SSU-MR-101 Series, or SSU-MR-201 Series.
- E. Electrified Exit Device Power Supplies (EDPS):
 - 1. Electrified-Mechanical locks shall be powered by and/or be compatible with the system Power Supplies. The following items provided by the Division 8 Door Hardware supplier, shall include, but not be limited to:
 - a. Electric Locks and/or Electrified Exit Devices.
 - b. Electrified Exit Device Power Supply (EDPS).
- F. Panic Button:
 - 1. United Security Products: Model # Hub-2SA.
- G. Strobe Light (activate when the Panic Button is pressed):
 - 1. Wire this device for the Strobe only. Silent operation is required (do not wire the siren portion of this unit).
 - 2. ATW Security: Model # Doberman.
- H. Push Buttons:
 - 1. Emergency Lock Down (ELD) Button, manufactured by Schlage (formerly Locknetics): Model # 623-RD-L2/LL-626. Provide quantities as shown on the Drawings.
 - a. The Emergency Lock Down (ELD) Buttons Illuminated LED's shall continually display the current status of the system (LED in Normal Mode and then change LED color when in Lock Down Mode).
 - 2. Green Button (GB) (to operate as "First Person In") manufactured by Schlage (formerly Locknetics): Model # 623-GR-L2/LL-626. Provide quantities as shown on the Drawings.
 - a. The Green Button (GB) (to operate as "First Person In") Illuminated LED's shall continually display the current status of the system (LED in Normal Mode and then change LED color when in Active "First Person In" Mode).

2.07 SPARE CAPACITY

- A. Spare capacity to add additional devices in the future, shall be an integral part of the system design.
- B. INCLUDE the additional system growth capability items listed below, when CALCULATING the requirements for EACH of these items, listed elsewhere in this specification.
- C. Access Control Power Supply (ACPS):
 - 1. The ACPS(s) shall have enough spare power available to add no less than two (2) additional electric locks that are typical for this project.

D. Spare Cables:

1. Provide spare cabling as shown on the drawings.

2.08 FLEXIBILITY IN SYSTEM DESIGN LAYOUT

- A. Where indicated on the drawings, the Installing Vendor shall have the flexibility in their design to provide system equipment at any of the MDF and designated IDF locations. Do not install equipment in other locations, unless noted otherwise.
- B. Provide all quantities of equipment as specified, while maintaining the "Spare Capacity" requirements listed elsewhere within this specification.
- C. Coordinate the exact location of field devices with the Architect, prior to installation.

2.09 SYSTEM CABLES, CONNECTORS, AND PATCH CORDS

- A. See PART 3 of this specification and Section 27 00 00 for additional requirements.
- B. Include the "Spare Capacity" requirements listed elsewhere within this specification, for the calculations and sizing requirements of the cables and/or conductors.
- C. ALL cables and conductors shall be the same size and color throughout EACH cable run. Such as from EACH field device to the terminals on the ACP and Power Supply.
- D. Cables/Conductors: The minimum allowable size conductors are specified below. Use larger conductors and/or additional conductors, as required. Prior to Bidding, consult with the system Manufacturer that the following cable types are acceptable. It shall be the Installing Vendors responsibility to provide and install Manufacturer approved cables. Use the Manufacturers equivalent cable requirements, to meet all code requirements [such as "Wet Rated" or "Aerial Rated" cable] for the appropriate devices.
 1. Readers:
 - a. Non-Plenum: West Penn 3282 (18/9oas), or approved equal.
 - 1) Provide additional conductors for Reader control of LED's as specified, as required
 - b. Plenum: West Penn 253188B (18/8oas), or approved equal.
 - 1) Provide additional conductors for Reader control of LED's as specified, as required
 - c. Wet Rated areas: West Penn AQC3283 (18/12oas), or approved equal.
 2. Door Position Switches (DPS's):
 - a. Non-Plenum: West Penn 241 (22/4ns), or approved equal.
 - b. Plenum: West Penn 25241B (22/4ns), or approved equal.

- c. Wet Rated areas: West Penn AQC240 (22/4ns), or approved equal.
- 3. Request to Exit Devices:
 - a. Non-Plenum: West Penn 244 (18/4ns), or approved equal.
 - b. Plenum: West Penn 25244B (18/4ns), or approved equal.
 - c. Wet Rated areas: West Penn AQC224 (18/2ns), or approved equal.
- 4. Electro-Mechanical Locks and/o Electrified Exit Devices:
 - a. Non-Plenum: West Penn 225 (16/2ns), or approved equal.
 - b. Plenum: West Penn 25225B (16/2ns), or approved equal.
 - c. Wet Rated areas: West Penn AQC225 (16/2ns), or approved equal.

2.10 ADDITIONAL SYSTEM EQUIPMENT

- A. See Part 3 of this specification for additional provision of system Equipment and/or Labor.

PART 3 - EXECUTION

3.01 GENERAL

- A. Prior to rough-in, coordinate with the Architect for the exact location(s).
- B. Install all equipment, devices, and cabling, per the manufacturer's recommendation.

3.02 INSTALLATION

- A. EACH CABLE RUN SHALL BE CONTINUOUS, WITHOUT ANY SPLICES, from the device to the terminal strip on the ACP(s), and Power Supplies. Any cable run that does not meet this requirement shall be replaced at no additional cost to the Owner.
- B. EACH ACP(s), ACRI(s), INPUT BOARD(s), OUTPUT BOARD(s), CARD READER INTERFACE(s), POWER SUPPLY(s) and any other related hardware shall be mounted per manufactures recommendations in the manufactures UL approved lockable enclosure. Each enclosure shall be labeled per District standards.

3.03 INTEGRATION TO OTHER LOW VOLTAGE SYSTEMS

- A. See "System Operation" listed elsewhere in this specification for more information.
- B. See the Drawings for more information.

3.04 AS-BUILTS

- A. Provide all As-Built documentation as defined in Section 27 00 00 Low Voltage Systems General Requirements and listed elsewhere in this specification.
- B. Update all documents provided in the Submittal and Shop Drawings to accurately reflect the actual equipment that was provided for this project, and the actual locations of the installed equipment.
- C. The Installing Vendor shall include in the pricing of their bid, the time and materials to generate and create the documentation, as described below.
 - 1. Provide an "Equipment Information Sheet", in the O & M manuals. At a minimum, from left to right, provide the following information;
 - a. Each row shall have an "Item #".
 - b. Manufacturers Name.
 - c. Equipment Device Type (such as Workstation, Control Panel, etc).
 - d. Location (such as MDF room 103, or area of building).
 - e. Software Name.
 - f. Software Version that is installed on the device.
 - g. List the "Highest Level" configurable password for EACH device.
 - h. List "EACH System Operator" password.
 - i. List all other password settings for EACH device.
- D. Provide ALL CD(s)/DVD(s) of installation software, legally required software licenses, and the associated documentation to reinstall all portions of the software that is running on the new and/or existing Server/Workstations.
- E. Upon final acceptance of the Access Control System by the customer, provide a letter of acceptance from the customer on the customer's letter head accepting the Access Control System as installed and that the Access Control System is fully operational and all training requirements have been met.

END OF SECTION